

2-1952

# 1951-1952 Xavier University The College of Liberal Arts, Graduate Division Course Catalog

Xavier University, Cincinnati, OH

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# XAVIER UNIVERSITY BULLETIN

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Volume XXXV

FEBRUARY, 1952

No. 2

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## THE COLLEGE OF LIBERAL ARTS

INCLUDING COURSES IN  
THE GRADUATE DIVISION



CATALOGUE 1951-1952

*Announcements for 1952-1953*

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PUBLISHED IN FEBRUARY, MAY AND JUNE  
XAVIER UNIVERSITY, CINCINNATI 7, OHIO

## Suggestions for Obtaining Information

Requests for information should be directed to the officer indicated,  
Xavier University, Victory Parkway, Cincinnati 7, Ohio:

*Admission blanks and entrance requirements:*

Director of Admissions

*Alumni affairs:*

Executive Secretary, X. U. Alumni Association

*Bulletins and catalogues (undergraduate):*

Director of Admissions

*Bulletins and catalogues (graduate):*

Director of the Graduate Division

*Freshman interests:*

The Dean of Freshmen

*Graduate study:*

Director of the Graduate Division

*Honors Course:*

Director of the Honors Course

*Housing on campus:*

Director of Student Housing

*Refunds:*

The Bursar

*Reservation fees:*

Director of Admissions

*Room reservations:*

Director of Admissions

*Student health:*

Chairman of Student Health Service

*Teachers' certification requirements:*

Chairman of the Department of Education

*Transcripts and certificates of honorable dismissal:*

The Registrar

*Tuition and payment of bills:*

The Bursar

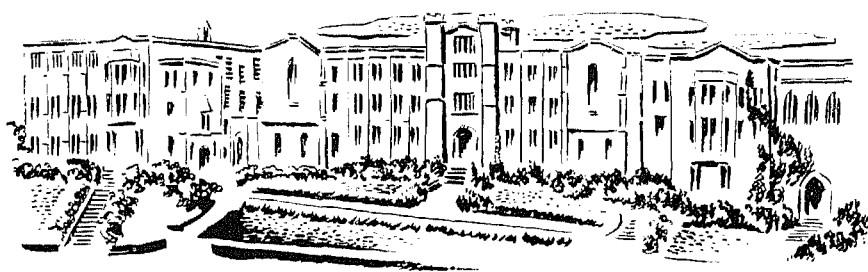
*Veterans' education:*

Director of Veterans' Education









# XAVIER UNIVERSITY

THE ONE HUNDRED TWELFTH YEAR OF JESUIT SERVICE

*Ad Majorem Dei Gloriam*



## THE COLLEGE OF LIBERAL ARTS

Including Courses in

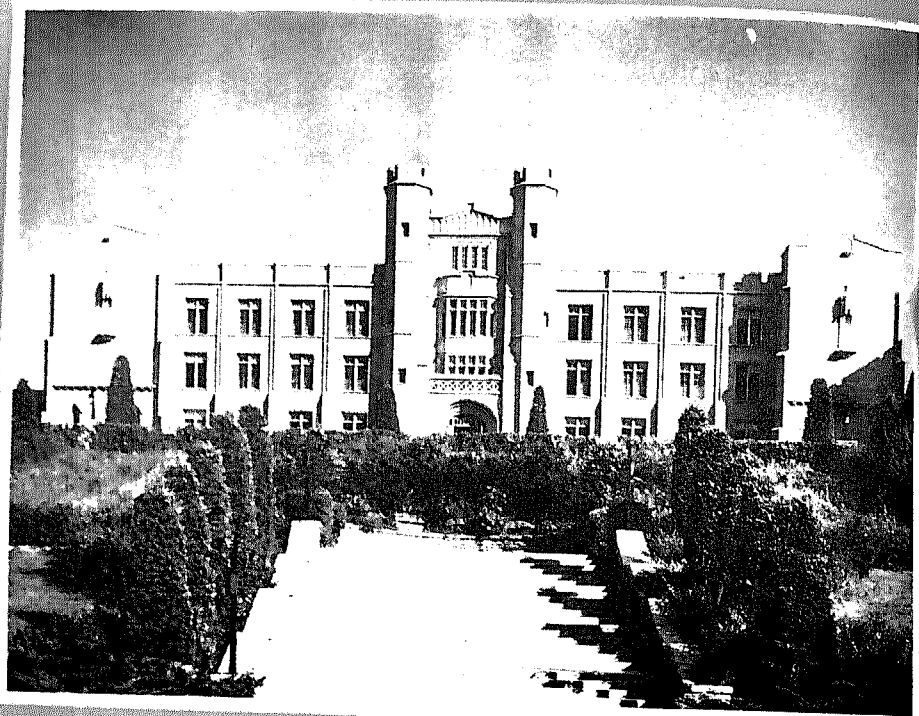
## THE GRADUATE DIVISION

1951 - 1952

ANNOUNCEMENTS FOR 1952-1953

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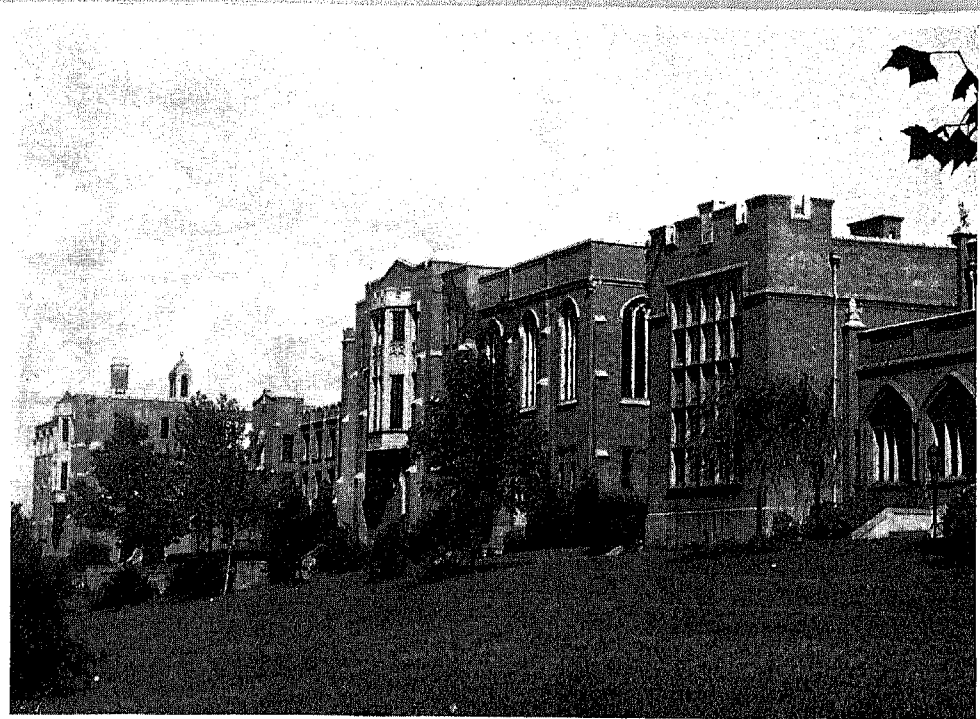
Xavier University - - Victory Parkway - - Cincinnati 7, Ohio



HINKLE HALL, JESUIT FACULTY RESIDENCE



UNIVERSITY DRIVE, EAST CAMPUS



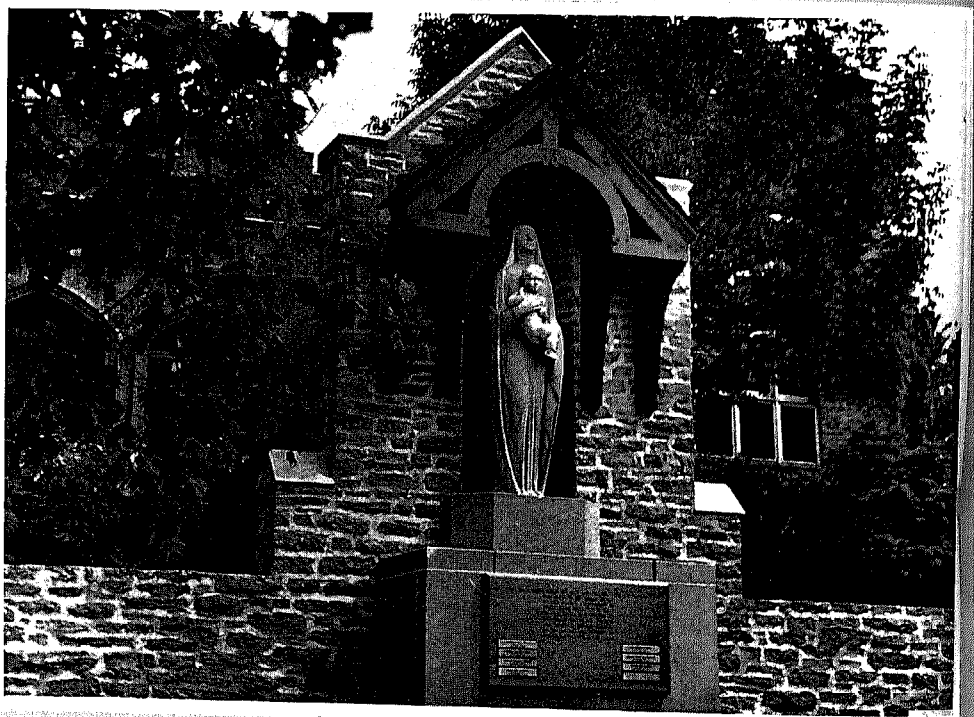
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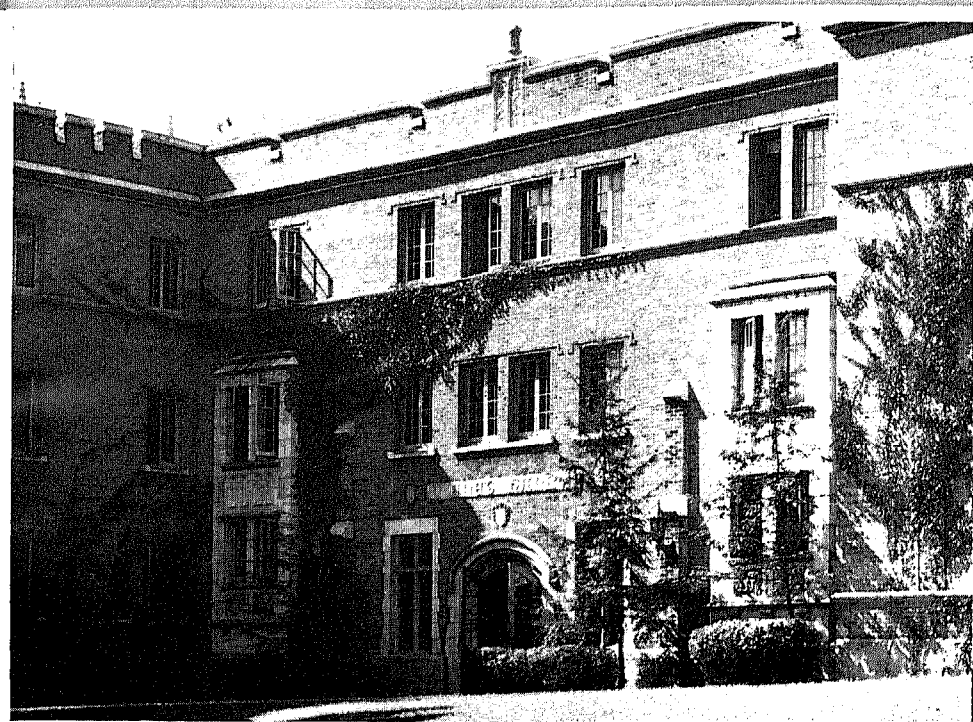
MARY G. LODGE REFERENCE ROOM IN LIBRARY



ALUMNI SCIENCE HALL



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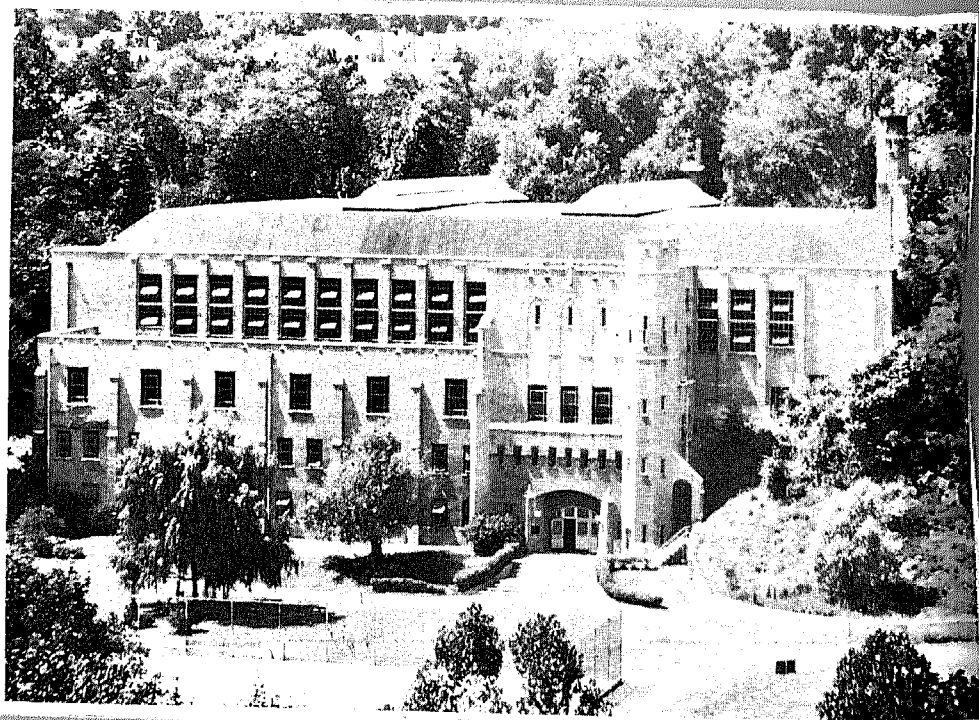


ELETT HALL, STUDENT RESIDENCE, WEST CAMPUS



UNION BUILDING FOR DINING AND ACTIVITIES

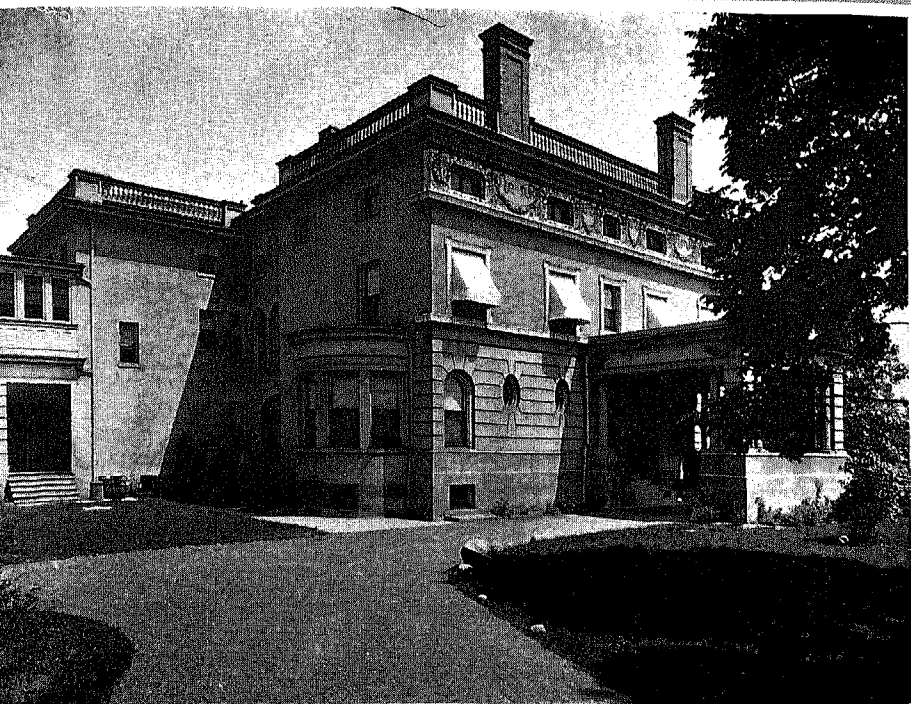




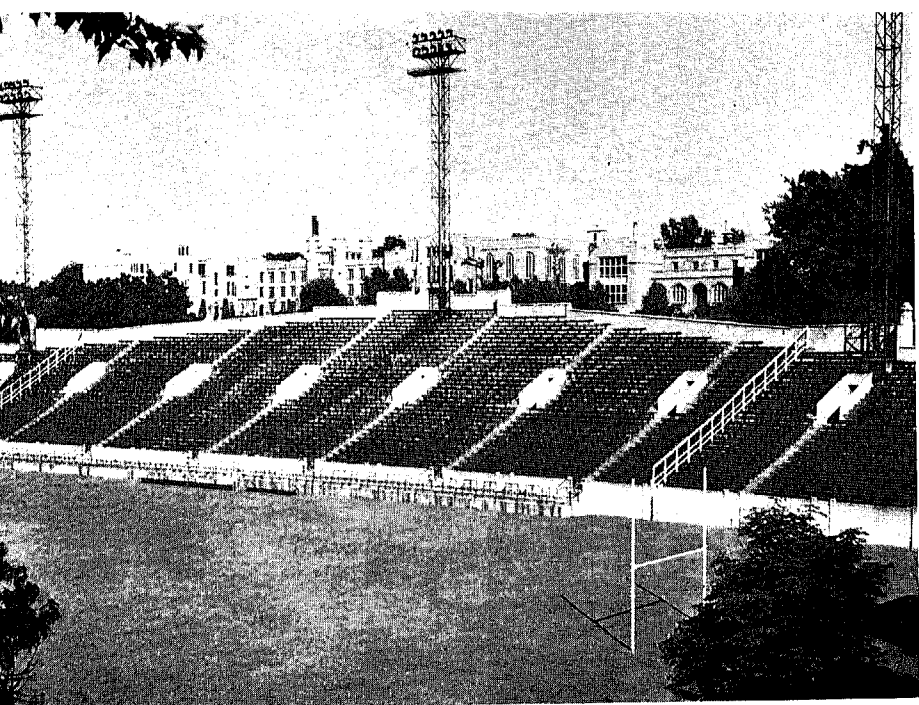
MEMORIAL FIELDHOUSE, WEST CAMPUS



INTERIOR, MEMORIAL FIELDHOUSE

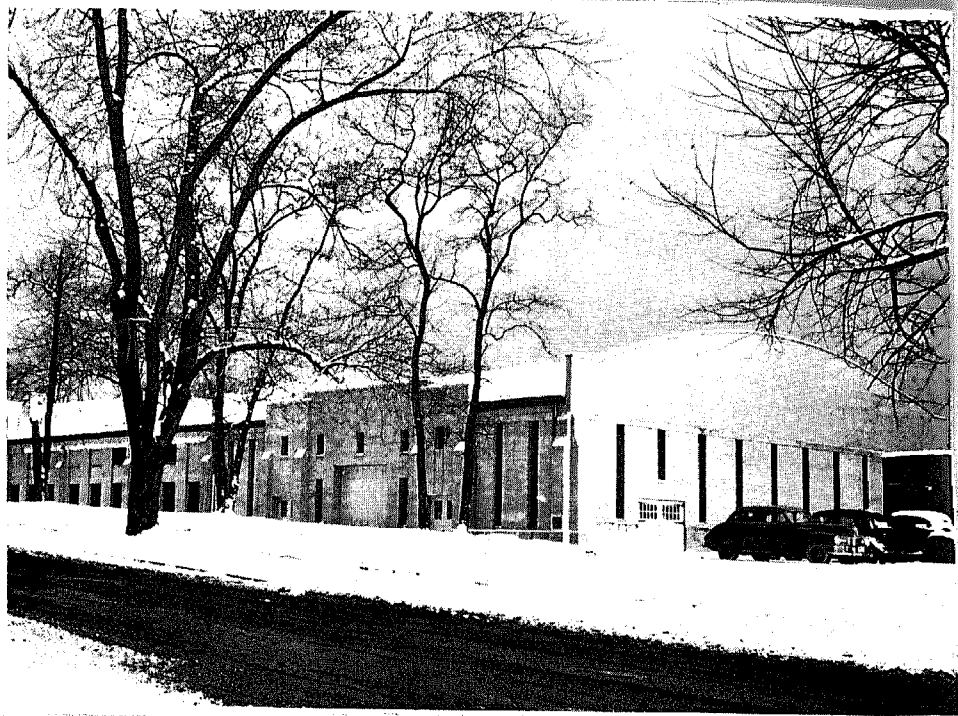


MARION HALL, STUDENT RESIDENCE

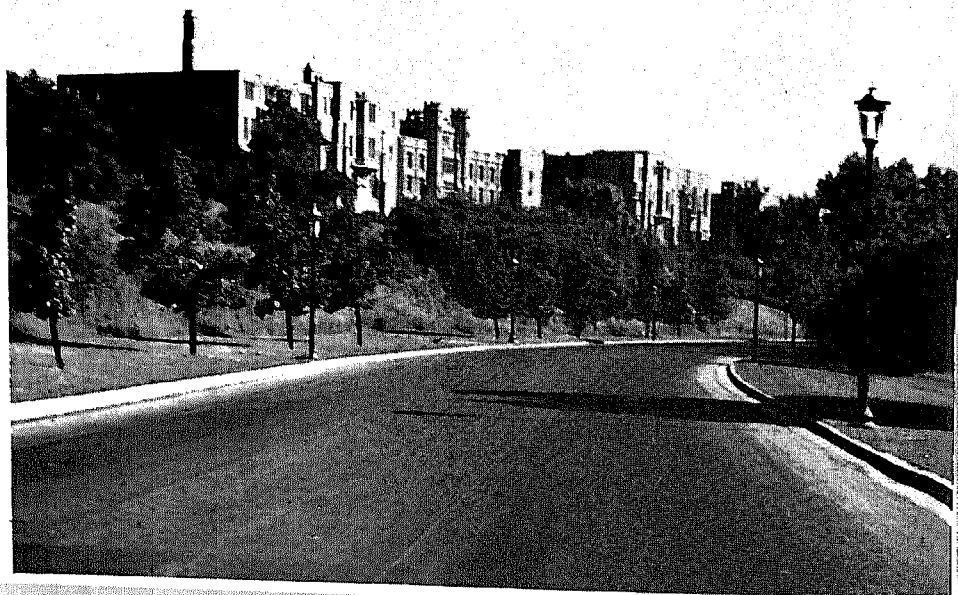


XAVIER STADIUM AND CORCORAN FIELD





XAVIER R.O.T.C. ARMORY, WEST CAMPUS



VICTORY PARKWAY SOUTH THROUGH CAMPUS

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# 1952

JANUARY							MAY							SEPTEMBER						
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# University Calendar, 1952-1953

1952

SEPT. 10, WEDNESDAY . . .	{ Registration for seniors, 9:00 A.M. - 12:00 M. Registration of juniors (M-Z), 1:00 - 4:00 P.M.
SEPT. 11, THURSDAY . . .	{ Freshman Orientation Week begins, 1:00 P.M.; all freshmen, local and out-of-town, required to attend Registration of juniors (A-L), 9:00 A.M. - 12:00 M. Registration of sophomores (M-Z), 1:00 - 4:00 P.M.
SEPT. 12, FRIDAY . . .	{ Registration of sophomores (A-L), 9:00 A.M. - 12:00 M. Registration of freshmen (A-L), 1:00 - 4:00 P.M.
SEPT. 13, SATURDAY . . .	{ Registration of freshmen (M-Z), 9:00 A.M. - 12:00 M. Registration in graduate division, 9:00 A.M. - 3:00 P.M.
SEPT. 15, MONDAY . . .	Final day of regular registration, 9:00 A.M. - 1:00 P.M.
SEPT. 16, TUESDAY . . .	{ Instruction begins, 8:30 A.M., graduate and undergraduate divisions
SEPT. 18, THURSDAY . . .	Mass of the Holy Ghost, 9:00 A.M.
SEPT. 20, SATURDAY . . .	First Saturday classes in graduate division
SEPT. 30, TUESDAY . . .	{ Final day of late registration, graduate and undergraduate divisions
OCT. 29, WEDNESDAY through FRIDAY . . .	{ Annual retreat for out-of-town undergraduate students; no classes, undergraduate division
OCT. 31, FRIDAY . . .	{ Final date for assignment of W in any course Dates set for comprehensive examinations
NOV. 1, SATURDAY . . .	Feast of All Saints, a holyday of obligation, a holiday
NOV. 6, WEDNESDAY . . .	{ Requiem Mass for deceased benefactors, professors, alumni, 9:00 A.M.
NOV. 18, TUESDAY . . .	Mid-semester grades due
NOV. 27, THURSDAY . . .	Holiday, Thanksgiving
NOV. 28, FRIDAY . . .	Holiday, President's Day
NOV. 29, SATURDAY . . .	Holiday
DEC. 1, MONDAY . . .	Classes resume, 8:30 A.M.
DEC. 8, MONDAY . . .	{ Feast of Immaculate Conception, a holy day of obligation, a holiday
Dec. 17, WEDNESDAY . . .	{ Christmas recess begins after last class for graduate and undergraduate divisions



# 1953

JANUARY							MAY							SEPTEMBER						
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JAN. 3, SATURDAY.....	Classes resume, 8:30 A.M., graduate division
JAN. 5, MONDAY.....	Classes resume, 8:30 A.M., undergraduate division
JAN. 12, MONDAY.....	Senior theses due
JAN. 21, WEDNESDAY through MONDAY....	{Semester examinations, graduate and undergraduate divisions
JAN. 27, TUESDAY through THURSDAY....	{Annual retreat for local undergraduate students
JAN. 29, THURSDAY.....	{End of first semester, graduate and undergraduate divisions
JAN. 30, FRIDAY.....	{Registration of seniors, 9:00 A.M. - 12:00 M. Registration of juniors (A-L), 1:00 - 4:00 P.M.
JAN. 31, SATURDAY.....	Registration of juniors (M-Z), 9:00 A.M. - 1:00 P.M.
FEB. 2, MONDAY.....	{Registration of sophomores (A-L), 9:00 A.M. - 12:00 M. Registration of sophomores (M-Z), 1:00 - 4:00 P.M.
FEB. 3, TUESDAY.....	Registration of freshmen, 9:00 A.M. - 4:00 P.M.
FEB. 4, WEDNESDAY.....	{Final day of regular registration, undergraduate divi- sion, 9:00 A.M. - 4:00 P.M.
FEB. 5, THURSDAY.....	Instruction begins, 8:30 A.M., undergraduate division
FEB. 7, SATURDAY.....	Registration in graduate division, 9:00 A.M. - 3:00 P.M.
FEB. 9, MONDAY.....	Instruction begins, 8:30 A.M., graduate division
FEB. 19, THURSDAY.....	{Final day of late registration, graduate and under- graduate divisions
FEB. 20, FRIDAY.....	Washington Oratorical Contest
FEB. 21, SATURDAY.....	Verkamp Debate preliminaries
MAR. 5, THURSDAY.....	Verkamp Debate
MAR. 7, SATURDAY.....	Final date for assignment of W in any course
MAR. 9, MONDAY.....	Dates set for comprehensive examinations
APRIL 1, WEDNESDAY....	{Mid-semester grades due Easter recess begins after last class for graduate and undergraduate divisions
APRIL 7, TUESDAY.....	Classes resume, 8:30 A.M.
MAY 6, WEDNESDAY.....	Reception into the Sodality
MAY 11, MONDAY.....	Senior theses due
MAY 14, THURSDAY.....	Ascension Thursday, a holy day of obligation, a holiday
MAY 22, FRIDAY through WEDNESDAY..	{Semester examinations, graduate and undergraduate divisions
MAY 31, SUNDAY.....	Baccalaureate exercises
JUNE 3, WEDNESDAY....	{Commencement exercises; end of second semester, graduate and undergraduate divisions
JUNE 22, MONDAY.....	{First summer session begins Summer science session begins
JULY 4, SATURDAY.....	Holiday
JULY 31, FRIDAY.....	First summer session ends
AUG. 3, MONDAY.....	Second summer session begins
AUG. 14, FRIDAY.....	Summer science session ends
AUG. 15, SATURDAY.....	Assumption Day, a holy day of obligation, a holiday
SEPT. 4, FRIDAY.....	Second summer session ends

## University Administration

### The Board of Trustees

VERY REVEREND JAMES F. MAGUIRE, S.J., M.A., S.T.L.	<i>President</i>
REVEREND FREDERICK N. MILLER, S.J., A.B.	<i>Vice-President</i>
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*Acting Director, Graduate Division, 1946 - 1947 ;*  
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 A.B., Xavier University, 1934; A.M., University of Cincinnati,  
 1935; Ed.D., 1939
- REV. JAMES V. MCCUMMISKEY, S.J., M.A., S.T.L. . . . Hinkle Hall  
*Instructor in Philosophy, 1949 - ;*  
*Assistant Director, Student Housing, 1949 - 1950 ;*  
*Chairman, Department of Philosophy, 1950 - 1951*  
 A.B., Loyola University, Chicago, 1936; M.A., St. Louis Uni-  
 versity, 1939; S.T.L., Loyola University, Chicago, 1945
- REV. JOHN A. MCGRAIL, S.J., A.M., S.T.L. . . . . Milford, Ohio  
*Instructor in Classical Languages, 1943 - 1946;*  
*Assistant Professor of Classical Languages, 1946 - ;*  
*Associate Dean, 1943 -*  
 A.M., Xavier University, 1933; S.T.L., St. Louis University, 1942
- LEO H. MEIROSE, A.B. . . . 5603 Carthage Avenue, Norwood 12, Ohio  
*Instructor in Spanish and English, 1945 - ;*  
*Periodicals Librarian, 1947 - 1951 ;*  
*Assistant Librarian, 1951 -*  
 A.B., Xavier University, 1945
- REV. FREDERICK N. MILLER, S.J., A.B. . . . . Hinkle Hall  
*Professor of Chemistry, 1933 -*  
*Chairman, Department of Chemistry, 1933 -*  
 A.B., St. Louis University, 1917
- JOHN L. MUETHING, A.B., LL.B. . . . . 8508 Wicklow Avenue  
*Lecturer in Economics, 1951 -*  
 A.B., Xavier University, 1943; LL.B., University of Cincinnati,  
 1948

- EDWARD J. MURRAY, M.B.A. . . . . Box 152-A, R. R. 1, Cincinnati  
*Instructor in Economics, 1945 -*  
 M.B.A., Harvard University, 1928
- REV. VICTOR B. NIEPORTE, S.J., A.M., S.T.L. . . . . Hinkle Hall  
*Associate Dean, Dean of Evening College, 1944 - 1945 ;*  
*Assistant Professor of Sociology;*  
*Dean of the College of Liberal Arts, 1945 - 1948 ;*  
*Associate Dean, Dean of Evening College, 1948 - 1951 ;*  
*Regent of Evening College, 1951 - ;*  
*Director of Admissions, 1951 -*  
 A.M., Loyola University, Chicago, 1935; S.T.L., St. Louis University, 1942
- F. ALLAN NOLAN, A.B. . . . . 4140 Floral Avenue, Norwood, Ohio  
*Lecturer in English, 1948 -*  
 A.B., University of Cincinnati, 1944
- JOHN T. NOLAN, A.M. . . . . 4232 Floral Avenue, Norwood, Ohio  
*Lecturer in English, 1945 -*  
 A.M., University of Cincinnati, 1942
- REV. EDWARD J. O'BRIEN, S.J., M.A. . . . . Hinkle Hall  
*Instructor in Religion, 1950 -*  
 A.B., Loyola University, Chicago, 1937; A.M., 1942
- JOHN R. O'LEARY, A.B., LL.B., M.Ed. . . . . 3057 Griest Avenue  
*Instructor in Mathematics, 1939 -*  
 A.B., St. Xavier College, 1927; LL.B., Xavier University, 1932;  
 M.Ed., University of Cincinnati, 1947
- REV. JOSEPH C. OSUCH, S.J., M.A., S.T.L. . . . . Hinkle Hall  
*Instructor in Religion, 1919 - 1950 ; 1951 -*  
 Litt.B., Xavier University, 1938; M.A., Loyola University, Chicago, 1941; S.T.L., 1949
- GEORGE E. OVERBECK, B.S.C. . . . . 4307 Homelawn Avenue  
*Lecturer in Bookkeeping, 1950 -*  
 B.S.C., Xavier University, 1938
- FRANK A. PETERS, A.M., Ph.D. . . . . 1515 Herald Avenue  
*Assistant Professor of Political Science, 1947 - 1949 ; 1951 -*  
 A.B., University of Alabama, 1943; A.M., Duke University, 1946; Ph.D., 1951

- REV. JOSEPH J. PETERS, S.J., A.M., M.S., Ph.D. . . . . Hinkle Hall  
*Assistant Professor of Biology, 1946 - 1949;*  
*Chairman, Department of Biology, 1947 - ;*  
*Associate Professor of Biology, 1949 -*  
 A.M., St. Louis University, 1934; M.S., University of Detroit,  
 1936; Ph.D., Fordham University, 1945
- REV. ALBERT H. POETKER, S.J., A.M., Ph.D. . . . . Hinkle Hall  
*Professor of Physics, 1950 -*  
 A.B., St. Xavier College, 1907; A.M., St. Louis University, 1914;  
 Ph.D., Johns Hopkins University, 1926
- L. FREDERICK RATTERMAN, A.B., LL.B. . . . . 3529 Burch Avenue  
*Lecturer in Economics, 1948 -*  
 A.B., University of Michigan, 1934; LL.B., Salmon P. Chase  
 School of Law, 1938
- PAUL J. RIESELMAN, Ph.B. . . . . 2013 Clarion Avenue  
*Lecturer in German, 1948 - ;*  
*Instructor in Spanish, 1951 -*  
 Ph.B., Xavier University, 1949
- REV. WILLIAM F. RYAN, S.J., A.M., S.T.L. . . . . Milford, Ohio  
*Assistant Professor of History, 1945 -*  
 A.B., St. Mary-of-the-Lake Seminary, 1923; A.M., St. Louis  
 University, 1927; S.T.L., 1935
- WILLIAM E. SAUTER, M.A. . . . . 2865 Minto Avenue  
*Lecturer in Philosophy, 1947 - 1949;*  
*Instructor in Philosophy, 1949 -*  
 A.B., Athenaeum of Ohio, 1942; M.A., Xavier University, 1949
- REV. VINCENT G. SAVAGE, S.J., Litt.B., A.M. . . . . Milford, Ohio  
*Instructor in Classical Languages, 1946 -*  
 Litt.B., Xavier University, 1934; A.M., Loyola University,  
 Chicago, 1940; S.T.L., 1945
- GEORGE L. SCHLEGEL, C.P.A. . . . . 825 Academy Avenue  
*Lecturer in Accounting, 1949 -*
- CLEMENT J. SCHUCK, B.S. . . . . 7624 Yorkshire Place  
*Lecturer in Economics, 1949 -*  
 B.S., St. Xavier College, 1924



- HERBERT T. SCHWARTZ, Ph.D.....563 Howell Avenue  
*Associate Professor of Philosophy, 1947 - 1949 ;*  
*Professor of Philosophy, 1949 -*  
 A.B., University of Michigan, 1929; M.A., Columbia University,  
 1932; Ph.D., 1935
- ERIC SEEMANN, Ph.D.....3573 Bayard Drive  
*Associate Professor of German, 1940 - ;*  
*Chairman, Department of Modern Languages, 1944 -*  
 A.B., Capital University, 1928; A.M., Columbia University,  
 1930; Ph.D., Yale University, 1934
- CHARLES G. SELZER, A.B.....4017 Smith Road  
*Lecturer in English, 1950 -*  
 A.B., Xavier University, 1949
- GEORGE C. SELZER, M.S.C.....4017 Smith Road, Norwood, Ohio  
*Assistant Professor of Accounting, 1947 - ;*  
*Chairman, Department of Accounting, 1948 -*  
 B.S.C., St. Xavier College, 1921; M.S.C., 1923
- LAWRENCE W. SELZER, B.S.C...523 Park Avenue, Loveland, Ohio  
*Lecturer in Taxation, 1945 -*  
 B.S.C., Xavier University, 1931
- JOSEPH H. SETTELMAYER, LL.B.....2239 Cathedral Avenue  
*Lecturer in Business Law, 1945 -*  
 LL.B., Y.M.C.A. Law College, Cincinnati, Ohio, 1940
- TOM G. SHACKELFORD, Lt. Col., Arty., A.U.S., B.S.  
 510 Glenwood Avenue  
*Assistant Professor of Military Science and Tactics, 1950 -*  
 B.S. in Ed., Alabama Polytechnic Institute, 1934
- REV. W. EUGENE SHIELDS, S.J., Ph.D.....Hinkle Hall  
*Professor of History; Chairman, Department of History, 1946 -*  
 A.B., Gonzaga University, 1922; A.M., St. Louis University,  
 1927; Ph.D., University of California, 1933
- CLARENCE A. SOMMER, A.M., Cand., Ph.D...R. R. 5, Batavia, Ohio  
*Assistant Professor of Education, 1948 -*  
 B.S., Butler University, 1933; A.M., Miami University, 1943

- REV. VICTOR C. STECHSCHULTE, S.J., M.S., A.M., Ph.D.  
Hinkle Hall  
*Professor of Physics; Chairman, Department of Mathematics and  
Physics; Director of the Seismological Observatory, 1932 -*  
A.B., St. Louis University, 1918; M.S., 1919; A.M., 1920; Ph.D.,  
University of California, 1932
- REV. PAUL D. SULLIVAN, S.J., Ph.D. . . . . Hinkle Hall  
*Associate Professor of English, 1945 -*  
A.B., St. Louis University, 1919; A.M., 1921; Ph.D., Marquette  
University, 1932
- EDWARD H. SUNDERMAN . . . . . 2241 Raeburn Drive  
*Lecturer in Economics, 1949 -*
- JAMES F. SUTER, M/Sgt. . . . . 4364 Reading Road  
*Assistant Instructor in Military Science and Tactics*
- REV. PAUL J. SWEENEY, S.J., A.M. . . . . Hinkle Hall  
*Professor of English, 1929 -*  
A.B., St. Xavier College, 1912; A.M., St. Louis University, 1917
- JOHN F. TAFURI, Ph.D. . . . . 3725 Reading Road  
*Instructor in Biology, 1951 -*  
B.S., Fordham University, 1944; M.S., 1948; Ph.D., 1951
- RAY TILTON, B.C.S., M.Ed. . . . 1034 Hayes Avenue, Hamilton, Ohio  
*Instructor in Accounting, 1947 -*  
B.C.S., Bliss Normal College, 1923; M.Ed., Xavier University,  
1949
- WALTER F. TUCKER, Major, Arty., R.A., A.A.  
7321 Montgomery Road, Silverton, Ohio  
*Assistant Professor of Military Science and Tactics, 1950 -*
- REV. JOHN UHL, S.J., A.M. . . . . 635 Sycamore Street  
*Instructor in English, 1946 -*  
A.M., St. Louis University, 1930
- REV. JOHN V. USHER, S.J., A.M. . . . . Hinkle Hall  
*Assistant Professor of Spanish, 1945 - 1949 ;*  
*Associate Professor of Spanish, 1949 -*  
A.B., St. Xavier College, 1897; A.M., St. Louis University, 1911

- LUCIAN VALLEE, A.B., M.A. . . . . 3032 Glenmore  
*Lecturer in Economics, 1951 -*  
 A.B., St. Anselm's College, 1940; M.A., Harvard University,  
 1947
- ALBERTO VASQUEZ, A.B. . . . . 41 Ehrman Avenue  
*Lecturer in Spanish, 1941 - 1950 ;*  
*Lecturer in Spanish, 1951 -*  
 A.B., Universidad de Chile, 1919
- ARTHUR W. VOLCK, A.B. . . . . Box 51-H, R. R. 5, Cincinnati 15  
*Lecturer in Accounting, 1946 -*  
 A.B., Xavier University, 1936
- REV. LEO J. VOLLMAYER, S.J., M.S. . . . . Hinkle Hall  
*Professor of Physics, 1942 -*  
 A.B., St. John's University, 1907; M.S., St. Louis University, 1924
- RUSSELL J. WALKER, B.B.A., C.P.A. . . . . 2702 Edroy Court  
*Instructor in Accounting, 1946 -*  
 B.B.A., Xavier University, 1943
- REV. LOUIS G. WEITZMAN, S.J., M.A., Ph.D. . . . . Hinkle Hall  
*Professor of Sociology and Religion, 1949 -*  
 A.B., St. Louis University, 1913; M.A., 1914; Ph.D., Catholic  
 University of America, 1931
- EDWIN P. WENNER, A.B., B.S., M.A., Ph.D., 3015 Woodburn Avenue  
*Instructor in Accounting, 1947 - 1950 ;*  
*Lecturer in Secretarial Practice, 1950 -*  
 A.B., Eastern University, 1928; M.A., University of Arlington,  
 1937; B.S. in Ed., Rider College, 1942; Ph.D., Columbia Uni-  
 versity, 1943
- REV. JOHN J. WENZEL, S.J., A.B., S.T.L. . . . . Milford, Ohio  
*Instructor in Classical Languages and Religion, 1948 -*  
 A.B., Loyola University, 1936; S.T.L., Loyola University,  
 Chicago, 1946
- MARGUERITE G. WERNER, B.S. . . . . 3727 Belmont Avenue  
*Lecturer in Secretarial Practice, 1950 -*  
 B.S., Thiel College, 1948

REV. BERNARD J. WERNERT, S.J., A.M., S.T.L. . . . . Milford, Ohio  
*Instructor in Classical Languages and Speech, 1945 -*

Litt.B., Xavier University, 1930; A.M., St. Louis University,  
1933; S.T.L., 1940

EDWARD WESSENDARP, C.P.A. . . . . 4400 Foley Road  
*Lecturer in Accounting, 1946 -*

CHARLES F. WHEELER, Ph.D. . . . . 1836 Chase Avenue  
*Professor of English;*  
*Chairman, Department of English, 1929 -*

A.B., St. Xavier College, 1928; A.M., University of Cincinnati,  
1929; Ph.D., 1935

WILLIAM H. WILLER, Ph.D. . . . . 4130 Sherel Lane  
*Associate Professor of English, 1946 -*

A.B., DePaul University, 1931; A.M., University of Minnesota,  
1937; Ph.D., 1944

FREDERICK E. WIRTH, Ph.D. . . . . Box 41, R. R. 15, Lockland 15, Ohio  
*Instructor in Classical Languages, 1947 -*

A.B., University of Kansas, 1932; A.M., 1932; Ph.D., Univer-  
sity of Chicago, 1947

NED W. WULK, B.S., M.Ed. . . . . 4481 Duneden Avenue  
*Instructor in Education, 1948 - ;*

*Coach, Varsity Baseball,*  
*Freshman Football and Basketball, 1948 - 1951 ;*  
*Head Basketball Coach, 1951 -*

B.S., La Crosse State Teachers College, 1942; M. in Ed., Xavier  
University, 1951

#### Graduate Fellows

RICHARD D. HATFIELD, B.S. . . . .	Chemistry
ROBERT F. LUTMER, B.S. . . . .	Chemistry
VINCENT THOMAS OLIVERIO, B.S. . . . .	Chemistry
RAYMOND E. OVELGONNE, B.S. . . . .	Chemistry
RICHARD J. OVERBERG, B.S. . . . .	Chemistry
RAYMOND PENDERGEST, B.S. . . . .	History
JOHN D. RATERMAN, A.B. . . . .	History

## General Information

### Chronology of Events

- 1831. On October 17, the Athenaeum was opened by the Right Reverend Edward D. Fenwick, O.P., D.D.
- 1840. On October 1, the Athenaeum was turned over to the Jesuits who changed its name to St. Xavier College.
- 1842. A charter of a temporary kind was granted to St. Xavier College by the General Assembly of Ohio.
- 1867. The Hill Building which housed the faculty was built on the corner of Seventh and Sycamore Streets.
- 1869. A perpetual charter was granted to St. Xavier College by the General Assembly of Ohio.
- 1885. The Moeller Building was added to the rear of the Hill Building.
- 1891. The classroom building as well as the building containing the College Chapel and Memorial Hall was built. The original Athenaeum Building was torn down.
- 1911. The Evening College was established.
- 1919. The separation of college and high school occurred. The college moved to a new campus site in Avondale.
- 1925. The Milford College was established for the training of the Jesuit scholastics.
- 1930. By an Act of the State Department of Education on August 4, St. Xavier College was advanced to university rating under the name of Xavier University.
- 1936. A Field Artillery Unit of R.O.T.C. was established.
- 1943. On March 1, Xavier University became a training center for pre-flight cadets in the Army Air Forces.
- 1944. The Institute of Social Order was established.
- 1946. "Xavier Presents" Radio Program; re-opening of the Graduate Division.
- 1947. Family Life Conferences convened.
- 1948. Drama of the United Nations; Xavier Little Theatre was opened; installation of Xavier Chimes.
- 1949. Dedication of the R.O.T.C. Armory.
- 1951. Operation Youth National Award from Freedom Foundation, February 22.

## History

Xavier University was founded in 1831 as a literary institute by the great Apostle of the West, Edward Dominic Fenwick, of the Order of Preachers, who was the first Bishop of the Diocese of Cincinnati. He called his school The Athenaeum and built the buildings on Sycamore Street in downtown Cincinnati where St. Xavier Church and St. Xavier High School now stand.

In 1840, his successor, Bishop John Baptist Purcell, invited the Jesuits from St. Louis University to take over the administration of the school. They arrived on October 1, 1840, and began first classes shortly after. The Jesuits changed the name to St. Xavier College. For the past 111 years the Jesuits have had continuous operation of Xavier. In 1919 the college moved to the present site on Victory Parkway in Evanston-Avondale. In 1930 the name was again changed, this time to Xavier University.

## COLLEGE OF LIBERAL ARTS

The College of Liberal Arts is the heart of the Jesuit system of education. The college holds this place because it is the unit of a university wherein the distinctive purposes of Jesuit education are more fully realized. The first two years of the Liberal Arts College are devoted almost wholly to general education; the last two years are devoted in great measure to advanced and specialized study in fields of knowledge upon which the student wishes to concentrate. During these last two years, however, each student must devote almost one-third of his work to the study of philosophy and Christian culture which thus climax and integrate his general education.

### Evening College

The purpose of the Evening College is to aid adults of Greater Cincinnati in obtaining a more advanced education by means of courses of cultural and practical value. This division renders particular service to those who wish to carry college work toward a degree while working during the day; and to those who wish to pursue subjects which will better fit them for special services or vocations.

In addition to the liberal arts courses, technical and vocational courses are offered. All courses are open to men and women. Besides the individual course offerings, there are groupings and programs of courses leading to certificates, diplomas, and degrees.

The Evening College is administered by an associate dean, and all classes are conducted on the downtown campus, 520 Sycamore Street. Information regarding the Evening College will be found in Xavier University Bulletin No. 3.

## Milford College

A division of the College of Liberal Arts is located at Milford, Ohio, about fifteen miles east of Cincinnati. It is the humanistic training school for those new members of the Jesuit Order who are assigned to the Chicago Province. The courses are open to Jesuits only. This College is administered by an associate dean. The names, title, and rank of the faculty are contained in this catalogue.

### Ultimate Objective

The College of Liberal Arts has the same primary purpose as the Catholic educational system taken in its entirety. This is best expressed in the words of Pope Pius XI:

The proper and immediate end of Christian education is to cooperate with divine grace in forming the true and perfect Christian, that is to form Christ Himself in those regenerated by Baptism. . . . The true Christian, product of Christian education, is the supernatural man who thinks, judges and acts constantly in accordance with right reason illumined by the supernatural light of the example and teaching of Christ; in other words, to use the current term, the true and finished man of character.

### Immediate Objectives

The College of Liberal Arts, in its teaching, aims at reaching the whole man, his intellect, his will, his emotions, his senses, his imagination, his aesthetic sensibilities, his memory, and his powers of expression. The educational program at Xavier University, therefore, takes into consideration three types of training — the intellectual, the moral and religious, and the physical.

The intellectual training at Xavier University is guided by principles set forth in the *Ratio Studiorum*, a body of principles and suggestions outlined and revised over the space of nearly three hundred and fifty years by the most prominent Jesuit educators. The *Ratio* postulates that studies falling into certain groups have distinct educational values, so that the specific training given by one group cannot be supplied by another. Mathematics, the natural sciences, languages and history are complementary instruments of intellectual development and are considered basic for a general education. Mathematics and the natural sciences bring the student into contact with the material aspects of nature, and exercise the deductive and inductive powers of reason. Language, history and the social sciences effect a higher union. By their study and for their requirement the whole mind of man is brought into the widest and the subtlest play. With the introduction of the student to these

subjects the emphasis on general education is lessened. The student may then go on to advanced and specialized studies in any field for which his preparation and qualifications indicate a special aptitude. The purpose of the advanced and specialized studies is not proximately to fit the student for some specialized employment or profession, but to give him such an intensive, vigorous, and rounded development as will enable him to cope successfully even with the unforeseen emergencies of life, as well as to prepare him for higher intellectual research which the complexity of modern life lays open to him. Accordingly, almost one-third of even his *upper division* work continues to be of the nature of general education which consists of philosophy and Christian culture.

As a background for his higher studies the *Ratio* stresses mental and moral philosophy, not only for the influence such a study has in mental development, but for the power of discrimination which it gives the student. The emphasis is not upon a history of the philosophies, but upon a study of Neo-Scholastic Philosophy wherein is to be found a logical, unified, complete system of mind-culture in accord with the laws of human thought.

The *Ratio* establishes as a fundamental principle that knowledge, though it energizes and refines the intellectual powers, does not of itself perfect the moral powers; that religion alone completely and perfectly purifies the heart and strengthens the will; that to be effective, religion must be taught so as to become a continuously vital force in education and the core-subject and integrating basis of all knowledge. In its moral and religious training Xavier University aims at building the conscience of its students for the right fulfillment of their civil, social, and religious duties. To gain this objective Xavier University provides: (a) required courses in religion for all Catholic students, and courses in morality and character development for non-Catholic students; (b) an annual retreat, held between the interval of the first and second semesters during which time the Spiritual Exercises of St. Ignatius are given.

Ample provision is made for the health and physical training of the student through health examinations, well-planned inter-collegiate and intra-mural athletic programs, the R.O.T.C., and a physical education program for all students.

## Buildings

*Albers Hall*, dedicated in 1929, is the gift of Mr. William H. Albers. In this building are the classrooms, laboratories, and offices of the departments of biology and physics, the administrative offices of the President, and the Director of Public Relations.

*Alumni Science Hall*, erected in 1920, is the gift of the Alumni of St. Xavier College to commemorate the diamond jubilee of their



Alma Mater. It contains chemical laboratories and classrooms, as well as the administrative offices of the dean, the registrar, the bursar, and director of veterans' affairs.

*Elet Hall*, erected in 1924, is the first unit of the students' dormitories. It is a well-furnished student residence with accommodations for one hundred students in single and double rooms.

*Federal Houses*, provided by the F.H.A. for veteran students and faculty members, are supervised by the University. There are ten residence halls on Ledgewood Drive from Herald Avenue to Victory Parkway, and six on Herald Avenue from Ledgewood Drive to Dana Avenue.

*Hinkle Hall* is the residence of the Jesuit faculty. Erected in 1920 by Mrs. Frederick Wallis Hinkle, it contains living quarters, reception rooms, administrative offices, the switchboard and the Foss Memorial Chapel.

*Marion Residence*, acquired in 1942, is an auxiliary dormitory located at 992 Marion Avenue.

*North Hall*, completed in September, 1947, by the Federal Works Agency under the veterans educational facility program, contains *lower division* chemistry laboratories and rooms for mechanical drawing.

*St. Barbara Hall*, the former Melcher residence, acquired in August, 1947, is the headquarters of the Reserve Officers Training Corps.

*South Hall*, also an FWA-VEFP project, completed in September, 1947, houses the University book-store, snack bar-canteen, student lounge and auditorium.

*The Armory*, completed in 1949, houses classrooms, an auditorium, a drill hall, a rifle range, storage rooms and garages.

*The Field House and Gymnasium*, erected in 1928, is the gift of Mr. Walter S. Schmidt, Class of 1905. In addition to the large indoor stadium, it contains a boxing ring, badminton and handball courts, a basketball court, shower and locker rooms.

*The Milford Novitiate Building*, erected in 1925, on an hundred acre plot of ground in Milford, Ohio, contains the dormitories, dining hall, chapel, library, and classrooms for the young members of the Society of Jesus.

*The Union House*, the old Avondale Athletic Club, now combines the cafeteria, bowling alleys, recreation rooms and student activity offices.

*The Walter Seton Schmidt Library Building*, erected in 1926, contains the Mary G. Lodge Reading and Reference Room, the library stacks, reading rooms, classrooms, Bellarmine Chapel, and the seismological observatory.

*Xavier Stadium* has a capacity of 15,000 and is floodlighted for night games. It was erected in 1928 through a public drive headed by the former Governor of Ohio, the Hon. Myers Y. Cooper.

### **Accreditation**

The University is accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting institution, and is approved by the Department of Education of the State of Ohio, by the Board of Regents of the University of the State of New York, and by the University of Illinois.

### **Note on Affiliation**

The College of Music, Cincinnati, is affiliated with Xavier University. Liberal arts credits earned at the College of Music are accepted toward the Bachelor of Arts and the Bachelor of Science degrees by Xavier University. Correspondingly, courses required for the Bachelor of Music degree, which are not given at the College of Music, will be accepted from Xavier University.

### **Institutional Memberships**

To stimulate active interest in matters educational, and to afford both faculty and students the value of recent research, the University maintains membership in the following educational and learned organizations:

- The Jesuit Educational Association
- The National Catholic Educational Association
- The North Central Association of Colleges and Secondary Schools
- The American Council on Education
- The Association of American Colleges
- The National Conference of Church-Related Colleges
- The Mid-West Conference on Graduate Study and Research
- The National Education Association
- The Ohio College Association
- The Association of University Evening Colleges
- The American College Public Relations Association
- The American Catholic Philosophical Association
- The American Catholic Historical Society of Philadelphia
- The American Historical Association
- The United States Catholic Historical Society
- The Mississippi Valley Historical Association
- The Catholic Library Association

The American Library Association  
The American Association of Collegiate Registrars  
The Association of Ohio College Registrars  
The United States Field Artillery Association

### **Individual Memberships**

The University is represented in many other associations and societies through the individual memberships of its faculty.

### **Office of the Dean**

The office of the Dean of the College of Liberal Arts (Evanston campus) should be consulted on the following matters:

1. Any information specifically relative to the College of Liberal Arts
2. Counseling on one's program of studies or schedule
3. Withdrawal from courses or from the University
4. Change of courses or schedules
5. Approval of applications for all degrees

### **Office of the Director of Admissions**

The office of the Director of Admissions of the College of Liberal Arts (Evanston Campus) should be consulted concerning:

1. General information about the University
2. Catalogues and application forms for admission
3. Entrance requirements
4. Reservation fees and room reservations

*N.B. All admission forms (properly filled out) should be addressed to or deposited with the Director of Admissions, Xavier University, Victory Parkway, Cincinnati 7, Ohio.*

### **Office of the Registrar**

The office of the Registrar of the College of Liberal Arts (Evanston campus) should be consulted in regard to:

1. Matters pertaining to student records
2. The issuance of transcripts
3. Reporting of excuses for all absences

### **Notice to Students**

In order to insure satisfaction to all, both old and new students are requested to carefully distinguish the type of service desired and to consult the proper source of authority in each instance.

### Transfer within the University

A student who wishes to transfer from Xavier University, Evanston Campus, to the Evening College, 520 Sycamore Street, must present to the Dean of the College of Liberal Arts, Evanston Campus, a written petition stating his reasons for seeking the transfer. If the dean approves the transfer, he will sign the student's petition. The student will then present the approved petition to the Dean of the Evening College who will advise the student of further arrangements necessary.

*Transfers should be arranged at least one month before the opening of a session.*

### Withdrawal from the University

A student who wishes to withdraw from the University must notify the office of the dean either in person or in writing. *A student is considered to be in attendance until he has given this formal notice of withdrawal.*

A student will be obliged to withdraw for reasons of poor scholarship, failure to remove academic probation, or misconduct.

### Honorable Dismissal

Honorable dismissal is voluntary withdrawal from the University *with the consent of the dean.* A statement to such effect, indicative of the student's good standing so far as character and conduct are concerned, *will be issued only when all indebtedness to the University has been adjusted.*

# University Services to Students

## Religious Welfare

Xavier University uses various means of promoting a sincere Catholic way of living in its students. Too numerous for catalogue listing, they permeate classroom and general campus atmosphere. From the elaborate celebration of Field Mass to a quiet visit in Bellarmine Chapel, student life is vibrant with that simple devotion characteristic of Christian principles.

## Student Retreat

Each year during the interval between the first and second semesters the Spiritual Exercises of Saint Ignatius Loyola are given for all Catholic students. Attendance at the exercises is obligatory.

At the same time a series of conferences on morality, character formation and the natural virtues are given to the non-Catholic students. In none of these conferences is there anything said to disturb the religious convictions of any individual exercitant. Attendance at these conferences is obligatory.

## Student Health Service

The Student Health Service is the organization through which the University fulfills its obligation to its students for the care of their physical and mental health and at the same time assures itself and the families of these students that a reasonable supervision is being exercised by the institution for the maintenance of physical and mental fitness of the student.

Participation in the Student Health Service through the payment of the Student Health Service fee is obligatory.

The functions of the Student Health Service are:

1. To counsel students on all problems of health
2. To teach and encourage habits of healthful living
3. To give hygienic advice for the improvement of impaired health, and to supervise the sanitary condition of all campus facilities
4. To provide medical attention on the campus for sickness and accidents
5. To supervise hospitalization of ill students

Health examinations are required of all new students as part of their entrance requirements to Xavier University. Forms for this

examination are to be filled out by the family physician and must be in the hands of the medical director of the University before the beginning of the semester in which the applicant enters the University.

### **Student Guidance**

The University strives to give students as much individual attention as possible. Each student is assigned a faculty adviser whose duty it is to assist the student in the planning of his course. The student is expected to have at least one conference in each semester with the adviser.

The University also operates a Guidance and Placement Center to assist students in their educational, vocational and occupational plans.

The Guidance Service assists the student to know himself. It will aid him in learning his qualifications, strengths and limitations. Through a series of tests a study is made of his interests, aptitudes, abilities and personality traits. These together with a knowledge of his background and training, will afford the counselor an appraisal of the student. Through personal interviews recommendations will be made so that the student may choose his life work more intelligently and more in accord with his personal assets. A fee is charged for this guidance service.

The Placement Service is maintained to assist graduates in finding suitable employment in accordance with their training. The service has available occupational material. It makes contacts with companies and alumni and arranges for company representatives to confer with the seniors. The service also aids as much as possible, in part-time employment. There is no charge for this service.

In addition, the Placement Service sponsors the Business Internship Program in cooperation with selected companies. Under this program, recommended students are referred to jobs related to their major field during vacations and other periods. Business interns are usually recommended in their sophomore or junior year and are frequently rehired by the cooperating company at graduation. The federal government is also cooperating with this program.

For spiritual and more personal guidance the University provides a student counselor who sees all students according to schedule or by appointment. Consult the Student Counselor, Hinkle Hall.

All matters of veterans' welfare are under the direction of the Director of Veterans' Education.

### **Student Housing**

Elet Hall, Marion Residence and ten temporary buildings are equipped to accommodate 450 students in double, triple and larger

rooms. The temporary buildings have been erected to house those out-of-town students on the campus who otherwise could not attend a Catholic university.

### **Cafeteria Service**

The University Cafeteria serves three meals daily (five days per week) under the supervision of a dietitian.

### **The Canteen**

Canteen service is provided in South Hall.

### **The Book Store**

The University maintains a completely equipped book store in South Hall.

### **Libraries**

*The University Library*, housed in the Walter Seton Schmidt Library Building on the Evanston Campus, contains many interesting and valuable collections among which are the original manuscripts of Francis J. Finn, S.J.; a fourteenth century vellum manuscript of the sermons of St. John Chrysostom; a fifteenth century antiphonary; several incunabula; letters of Andrew Jackson, Martin Van Buren, and others; and a complete set of the *Jesuit Relations*. The total number of bound volumes is 55,918. The University has been a constant beneficiary of many friends whose contributions have aided considerably in increasing the number of volumes. Since 1925 the organization known as the Booklovers of Xavier University has been outstanding in its generous gifts and contributions.

With the exception of Sundays and holidays, the library is open to the faculty and the students from 8:30 a.m. to 5:00 p.m.

*The St. Thomas Library*, a branch of the University Library, is situated in Milford and is for the service of the faculty and students of the Milford College of Xavier University. In keeping with the humanistic curriculum of this division a great part of the 33,000 volumes is in the field of English and classical literature. Very noteworthy collections of ascetical and theological works are distributed in the buildings at Milford.

*The Evening Division* has a collection of 1,537 volumes.

The total bound volumes of the University libraries is 90,445.

### **Laboratories**

The biology laboratories, located in Albers Hall, are standard for undergraduate students. There are facilities to accommodate one hundred and twenty-five students at one time. A large collection of

museum specimens provides opportunity for a wide knowledge of living organisms. An animal room affords the advanced students an opportunity to conduct protracted experiments. Fine records of experimental investigations are made possible by complete photographic equipment.

Two large, well-equipped laboratories for general physics, and one for advanced work in optics, occupy more than twenty-five hundred square feet of space on the second floor of Albers Hall.

The seismology laboratory, used for research in seismology, is connected with the physics laboratories. For the purpose of advancing the science of seismology, Xavier University maintains a first class seismographic station and observatory in the network of the Jesuit Seismological Association. The vault containing the instrument is situated in the basement of the library building. On massive concrete pillars, structurally independent of the building itself, are four Wood-Anderson torsion seismographs which register the horizontal components of the earth's motion. A fifth instrument, a Galitzin-Wilip electromagnetic seismograph, galvanometrically registers the vertical motion of the earth. A special master-clock, corrected by the Arlington radio time signals, gives accurate time control on the seismograms.

The chemistry laboratories, housed in Science Hall and North Hall, occupy approximately twenty thousand square feet of floor space. There are separate laboratories for physical, organic, analytical and general inorganic chemistry. These laboratories have standard equipment sufficient to serve 700 students. There are four additional smaller laboratories for graduate students. These laboratories contain special equipment for research in each of the four major fields of chemistry.

The Department of Military Science is adequately equipped with apparatus for laboratory and field work. It has small arms and equipment — pistols, machine pistols, carbines, M-1 rifles, automatic rifles and launchers — necessary for elementary training in basic military courses. It also has one battery of the celebrated 105mm howitzers equipped for high speed traction. Transport facilities for this battery consist of motor vehicles classified as prime movers, detail cars, supply trucks, and wire trucks. Additional equipment includes the required complement of the most modern radio sets, motor reels, switchboards, field telephones and fire control equipment. Two pistol ranges, an indoor rifle range, a motor room with motor parts for demonstration purposes, maps and aerial photographs, and various other equipment make material contribution to a thorough knowledge of the science of field artillery.



## Scholarships

At Xavier University a scholarship for one year is provided by the donation of \$400.00. This amount will keep one student, who is a candidate for a bachelor's degree, free from tuition for one year. A permanent scholarship is provided by the gift of \$14,000. The amount of the scholarship, however, will always depend on the income from the investment. If the founder fails to name an incumbent, the scholarship will be conferred at the discretion of the committee on scholarships.

In addition to any other requirements peculiar to particular scholarships, the following conditions must govern the awarding or holding of any scholarship:

- a. A scholarship applies to tuition only and does not excuse the designee or holder from payment of other fees.
- b. Scholarships must be accepted for the year or years they are awarded. They may not be transferred by the holder and may not be resumed at will after having been relinquished.

## Honor Scholarships

A limited number of honor scholarships are awarded to high-school graduates each year. The following regulations govern the awarding of all scholarships:

1. The scholarships will be awarded by means of competitive examinations which will be held in the spring of the year.
2. The scholarship will be awarded for one year and will be renewable in favor of the holder for each successive semester of his four-year college period.
3. Holders of honor scholarships must maintain a quality-point ratio of at least 2.5 in the freshman year, and 3.0 in the sophomore, junior, and senior years.
4. The award in all cases is made by and at the discretion of the Scholarship Committee of Xavier University.

## Loans

The Chaswil Foundation Student Loan Fund has been established by Sir Knight Charles F. Williams to assist students in the undergraduate division. A student must have completed at least one semester at the University in order to become eligible to apply for a loan. Applications for loans are to be made to the Chairman of the Scholarship Committee.

## Awards

*The Dr. J. T. Clear Biology Key.* This key, founded by Dr. J. T. Clear, is awarded annually to the member of the Xavier Biological

Society who has completed his major in the Department of Biology with the highest distinction.

*The Dorst Chemistry Key.* This key, the gift of Arno A. Dorst, is awarded annually to the senior who has completed his major in the Department of Chemistry with the highest distinction.

*The Alpha Chi Sigma Prize.* This prize is awarded to the sophomore majoring in chemistry who has attained the highest scholastic average during the freshman and sophomore years.

*The J. D. Cloud Prize.* This prize is awarded to the student (Evening College) in the senior accounting class attaining the highest average in his junior and senior years.

*The Xavier University Alumnae Association Scholarship Award* is presented to the alumnae member in good standing enrolled in a certificate or degree program who attains the highest average for the year.

*The Kappa Sigma Mu Scholarship Award.* Awarded to the freshman or sophomore student (Evening College) who attains the highest scholastic average in a degree or certificate program. Two prizes are given—first and second.

*The Cincinnati Industrial Advertisers Award.* A \$50.00 savings bond will be awarded to the student conceiving and designing the best advertising campaign at the Evening College.

*The Intercollegiate English Prize.* A purse of \$100 (\$50 for the first prize, \$20 for the second, \$15 for the third, \$10 for the fourth, and \$5 for the fifth) is offered yearly by Mr. David F. Brenner of Chicago for excellence in English essay writing. The purse is open to the competition of the Jesuit colleges and universities of the Missouri and Chicago provinces.

*The Alumnae English Prize.* A prize is offered by the Xavier University Alumnae Association to the student of the University winning the highest place in the Intercollegiate English Contest.

*The English Prize.* This prize, in memory of Peter J. O'Donnell, Ph.D., is offered to the student (Evening College) for superior work in the Department of English.

*The Mermaid Tavern Prize Key.* A gold key is offered by Mr. Anthony C. Elsaesser, '12, to the Tavern member meriting highest distinction in literary composition.

*The J. T. Nolan, Jr., Literature Award.* A \$50.00 savings bond will be awarded to the student who attains the highest scholastic average in the Catholic literature course.

*The Armed Forces Journal.* A gold medal award for the outstanding R.O.T.C. cadet.

*The American Legion Luncheon Club of Cincinnati Scholarship Prize.* A cash award of \$25.00 will be presented annually to the outstanding R.O.T.C. cadet of the Second Year Basic Course.

*The Dr. John T. Clear Rifle Trophies.* These three trophies, donated annually to the Corps by Dr. John T. Clear, are presented to the R.O.T.C. students who demonstrate outstanding marksmanship during the year.

*Xavier Fourragere.* This military decoration is presented to R.O.T.C. students as an honor for military attainment.

*The Military Order of World Wars Medal.* The Cincinnati Chapter of The Military Order of World Wars presents a gold medal annually to the outstanding R.O.T.C. cadet of the First Year Basic Course.

*The Reserve Officers Association of the United States, Cincinnati Chapter.* Four medals are presented annually by this association to cadets of the R.O.T.C. A gold medal is awarded to the outstanding cadet in the Second Year Advanced Course and a silver medal to the outstanding cadet of the First Year Advanced Course. Similar bronze medals are awarded to cadets of the First and Second Year Basic Course for excellence in scholarship and proficiency as cadets.

*The Colonel Charles F. Williams' Scholarship and Prize.* A gold medal and a \$200 scholarship are offered annually by Colonel Charles F. Williams to the First Year Advanced Course student who ranks highest in scholarship.

*The American Citizens' League Award.* An award of \$25.00 is offered by the American Citizens' League of Cincinnati to the student who attains the highest scholastic average in second-year German for the academic year.

*The Alpha Sigma Nu Religion Key.* A gold key is awarded annually by the Xavier Chapter of the National Jesuit Honor Society to the freshman or sophomore who writes the best essay on a religious topic.

*The Intercollegiate Latin Prize.* The Very Reverend Provincials of the Chicago and Missouri provinces offer a prize of \$25 annually for the best translation of classical English and classical Latin. The contest is open to male students of the Jesuit colleges and universities in the Chicago and Missouri provinces.

*The Ragland Latin Medal.* A gold medal, founded in 1935, in memory of Alice D. Ragland, is awarded to the participant who ranks highest in the Intercollegiate Latin Contest.

*The Washington Oratorical Medal.* A gold medal is offered by the Xavier University Alumni Association for the best original oration delivered in the annual contests in oratory, held on February 22, Washington's birthday.

*The Joseph B. Verkamp Medal.* A gold medal is established by Mr. Joseph B. Verkamp for award to the member of the Poland Philopedian Society who has delivered the best speech in the annual public debate of the society.

*The Archbishop McNicholas Medal.* A gold medal is offered in memory of the Most Reverend John T. McNicholas, O.P., D.D., to that member of the senior class who has excelled in the study of philosophy.

*The Martin G. Dumler Key.* A key is offered by Mr. Martin G. Dumler, LL.D., to that member of the junior class who has excelled in the study of philosophy.

*The Philosophy Prize.* In honor of William T. Burns, LL.D., Professor Emeritus, a prize is presented to the student (Evening College) meriting the highest distinction in research work in the Department of Philosophy.

*The David Snyder Religion Medal.* A gold medal, founded by Mr. and Mrs. John W. Snyder, Portsmouth, Ohio, in memory of their son, David William Snyder, '31, is awarded for the best catechetical essay written by a junior or senior.

### **Student Organizations**

Xavier University has provided several forms of student activities and organizations for the purpose of promoting religious, social, academic, and cultural relations among the student body. All student organizations are under the general supervision of the Student Welfare Committee. Approval for meetings and programs must be secured from them directly or through the appointed faculty moderators. With the exception of activities and organizations of a purely religious nature only such students as are free from disciplinary censure and the scholastic censure of probation are eligible for active membership. The University reserves the right to discontinue, or moderate any student activity or organization. By means of its committees and agencies the University also has the right to limit the extent and degree of the individual student's participation.

*The Alchemysts Club*, a student affiliate chapter of the American Chemical Society, is dedicated to the furthering of interest and education in the field of chemistry. Membership is open to all chemistry majors and pre-medical students who have completed five hours of chemistry. The monthly meetings usually include timely motion pictures or an outside speaker of prominence in the field of chemistry. The annual symposium, picnic, initiation banquet and other outstanding social events are sponsored during the year.

*The Apostleship of Prayer* is a world-wide organization of which there exists in the University a distinct and duly-established local chapter. Membership is open to all students. The object of the asso-

ciation is the fostering of a manly and practical devotion to the Sacred Heart of Our Lord and Its interests in the world, and the actual practice of the law of universal charity through mutual prayer for the intentions of all associates.

*The Biology Club*, open to students of biology, sponsors original investigation in the field and publishes the *Xavier Science Bulletin*.

*Catholic Students' Mission Crusade*. At the organization of the Catholic Students' Mission Crusade, held at Techny, Illinois, in 1918, the local sodality was represented. Its mission section became a senior unit, and consequently, a charter member of this great movement.

In January, 1921, the unit assumed a more definite form as the Crusade Unit of the Liberal Arts College, and adopted the name *The Henry P. Milet Unit* in honor of Rev. Henry P. Milet, S.J., a former director of the High-School Sodality, now a missionary in Patna, India. The first Sunday of the month is Mission Sunday, observed by the reception of Holy Communion for the welfare of the missions.

*The Dante Club* is a student organization, the purpose of which is to spread the knowledge and appreciation of that greatest of Catholic classics, *The Divine Comedy*, through the medium of popular lectures. It was founded in 1921, the six hundredth anniversary of Dante Alighieri's death. *The Jesuit Martyrs*, *The Crusades*, *Shakespeare*, *A Pilgrimage to Lourdes*, *St. Joan of Arc*, *The Madonna in Art* are now being offered by *The Dante Club*.

*The Economics Club*. Founded in 1933 as the *Commerce Club*, this group combines a discussion program with social activities. Outstanding Cincinnati business men are guest speakers at the monthly meetings. Membership is open to students of economics.

*The Family Relations Club of the Catholic Colleges of Greater Cincinnati* has a dual purpose: (1) to develop and strengthen in the members the right and wholesome attitude toward Christian marriage and family life, and further a true appreciation of the dignity and beauty of the Christian home, as well as the privilege of duties and obligations involved; (2) to offer to the community a clear interpretation of the Catholic position on marriage and the family, and an authoritative refutation of erroneous views relative thereto. Student and guest speakers participate in the regular monthly meetings. The apostolic work of the club is carried out by utilizing "a work-shop technique" in four committees, on the following activities: public speaking, radio and television presentations, writing, research, surveys, arranging pre-Cana conferences for engaged couples, and sponsoring Christian recreation in the home, school, and parish. Members are trained in these various works by experts in these fields. Both undergraduates and graduates are welcome.

*The French Club, le Cercle francias de Xavier.* Intended to foster a better understanding of the French language and to develop conversational French among its members; to supplement the curricular requirements of French majors and minors; to promote interest in and appreciation of French affairs, history, literature, art, science and culture. Application for membership is made to the moderator.

*The Heidelberg Club.* It is the purpose of this club to foster an interest in the history, culture, and language of the Germanic people. The meetings, which are held monthly, are devoted to papers, discussions, and lectures.

*The International Relations Club,* organized in 1947, is directly associated with the Carnegie Endowment for International Peace. Semi-monthly panel discussions on contemporary problems relative to international peace will be the special activity of the club. For prerequisites of membership, see *The X Book*.

*The Masque Society of Xavier University.* It is the purpose of this society to foster the undergraduate dramatic, literary and musical interests of the University, and to promote social intercourse among its members. The society's annual productions offer an outlet to many kinds of student talent — acting, stagecraft, lighting, management, promotion and such like. All students are invited to join.

*The Math-Physics Club,* founded in 1941, is pledged to the purpose of broadening and deepening in its members their interest in mathematics and physics. Meetings include the presentation of papers by members and addresses by guest speakers. Membership is open to students of mathematics and/or physics.

*The Mermaid Tavern* is a writers' club of limited membership and unique activity intended to foster association of graduates and undergraduates actively interested in writing. *The Tavernacular*, a privately circulated magazine, is issued quarterly. For particulars, consult *The X Book*.

*The Musketeer Band.* The purpose of the band is to promote student interest in music, stimulate spirit at football and basketball games, give concerts, and provide music for R.O.T.C. Corps Day formations and special University functions.

*The National Federation of Catholic College Students,* described as the "spirit of Catholic college students," is a medium through which Catholic college students may cooperate in fostering unity of purpose and in promoting lay leadership guided by Catholic principles. Every Xavier student is invited to acquaint himself with the N.F.C.C.S.

*The Poland Philopedian Society.* This 112-year-old society, dating from the beginning of Jesuit control at Xavier, meets weekly to debate the issues of the day. Membership is open to the entire student body.

*The Psychology Club*, founded in 1950, is pledged to the purpose of giving to the students of Xavier University the benefits that result from a psychology that has its foundation in the Catholic knowledge of the fields of philosophy and sacred theology. Opportunities are offered to the members to supplement their curricular work in this field, and to see the practical methods of psychology in operation. All students who have completed a minimum of six credit hours of psychology or the equivalent are eligible for membership.

*The R.O.T.C. Rifle Club* is open to all members of the R.O.T.C. who are interested in rifle firing and marksmanship. A small caliber rifle range with multiple firing points and target returns is provided by the University. All target practice is supervised by an officer of the Department of Military Science.

*The St. Aloysius Self-Denial Fund*. The purpose of this organization is to honor and invoke St. Aloysius as the patron of purity and of a choice of a state in life; to maintain an \$8,000.00 bursary for the education of a missionary priest; to maintain the following spiritual fund for Masses:

1. Five Masses to be celebrated each year for the deceased students of Xavier, beginning with the Class of 1926
2. Five Masses to be celebrated for each student who dies while a member of the student body
3. Three Masses to be celebrated each year for the deceased parents of Xavier students who have been members of the student body after 1926
4. Three Masses to be celebrated for each parent who dies while the student is a member of the student body

In September, 1926, a marble statue of St. Aloysius was erected on the occasion of the second centenary of the Saint's canonization.

The St. Aloysius Self-Denial Fund is administered by the Moderator of Mission Activities.

*Sodality of the Immaculate Conception*. The sodality was established and affiliated to the *First Sodality* in Rome on December 8, 1841. Its purpose is to promote a special and filial devotion to the Immaculate Mother of God, to imitate her virtues, and to encourage, both by word and example, an eminent purity of morals and a manly fidelity to the practices of our religion. The University sodality desires to produce Catholic gentlemen, outstanding for their life of virtue and their apostolic spirit; leaders in the field of Catholic thought and action. *The Office of the Blessed Virgin* is recited in the University chapel. Meetings are held in which pertinent Catholic problems are discussed.

*The Spanish Club.* Bi-weekly meetings are devoted to the dual purpose of promoting interest in the Iberian language and customs, and in fostering the study of the great literature of Spain.

*The Varsity X Club* is composed of students who have earned the athletic award of the University. Its purpose is to foster and to maintain high ideals of athletic competition, and to offer means of preserving friendships made on the fields of sport.

*The Xavier Accounting Society*, organized in 1947, has as its prime objectives the broadening of knowledge and the deepening of interest of its members in the field of accounting; the promotion of mutual helpfulness and the fostering of fellowship in the pursuit of this worthy aim. Monthly meetings are devoted to papers, discussions and lectures. The guest speakers are outstanding professional accountants and business executives. Accounting students — graduate and undergraduate — are eligible to membership.

*The Xavier Philosophy Club* is organized to foster in its members greater interest in philosophical subjects. Meetings are informal and free discussion is encouraged. Membership is open to all students.

*The Xavier University Clef Club* makes numerous concert appearances, entertains at University functions, and makes several radio broadcasts throughout the year. Two hours each week are given to vocal culture and the study of musical theory and interpretation. Membership is open to all students.

## Honor Societies

*Alpha Sigma Nu.* A chapter of this national honor fraternity for students of Jesuit colleges and universities was established at Xavier in 1939. Candidates for membership, chosen during their junior year, must be outstanding in scholarship, in loyalty and in service to the University.

*Boosters' Club* is an active honorary group composed of students who have distinguished themselves through their service and loyalty to all activities of the Evening College. This group constitutes an advisory group which will offer suggestions touching all student needs.

*Kappa Sigma Mu* is an Evening College organization composed of present and former students. Membership, open to men and to women of outstanding leadership in curricular and in extra-curricular activities, is limited to those students who have been in attendance for at least four semesters. Membership is by invitation only. The purpose of the organization is to strengthen and to perpetuate college friendships among students of the Evening College.

*Pershing Rifles: Company G-1*, a member of *The National Society of Pershing Rifles*, is an honorary association of college students



enrolled in basic courses in military science. Its purpose is to encourage, preserve and develop the highest ideals of the military profession and to promote American citizenship.

*The Sword and Plume.* This is an alumni society organized to honor students in their senior year with membership. The honor of membership is conferred only on senior students who have distinguished themselves in activities and who pledge themselves to impress the ideals of Jesuit education on their fellow men.

*The Xavier Order of Military Merit.* This honorary organization is composed of R.O.T.C. students of the advanced course who have received one or more citations and who have been nominated to the order by the Professor of Military Science and Tactics. All members wear the Xavier fourragere as a decoration.

### Non-Student University Groups

*The Booklovers of Xavier University,* organized in 1925, actively promote the interests of the library through the purchase of books and periodicals. Funds are raised by means of membership fees, benefit parties and special gifts. A ladies group, recruited largely from mothers of students, meets monthly during the academic year for lectures, card parties, and entertainments.

*The Dads' Club of Xavier University* has as its purpose: (1) co-operation with the administrative body of Xavier University in maintaining high standards of education; (2) the support of extra-curricular activities of the student body; (3) social acquaintance among members of the club; (4) promotion of the general welfare of Xavier University. Members of the faculty, and fathers of past, present and prospective students are eligible for membership.

*Xavier University Alumni Association.* This association was organized in 1888. Its purpose is to strengthen and perpetuate college friendships; to preserve in the former students a warm regard for Alma Mater and a lively memory of the substantial benefits she has bestowed; to cherish and advance her interests, maintain her honor and sustain her reputation by manly and honorable conduct.

*Xavier University Alumnae Association.* Established in 1926, this alumnae group has for its purpose the fostering of the same loyal spirit and helpful interest toward Alma Mater which is characteristic of the *X. U. Alumni Association.*

### Student Government

*The Student Council of the Evanston College.* This representative body undertakes to promote student activities whether athletic, social, scholastic, or religious; to maintain a healthy spirit of interest and comradeship among the students; to impart, foster, and exemplify

the ideals which the University strives to realize. It attempts to meet local student problems chiefly by creating a sane public opinion.

For further information on Student Council see The Constitution of the Student Council of Xavier University, Evanston Campus, 1948.

*The Social Committee* is an advisory body for student social activities. All student-sponsored affairs, on or off the campus, must be cleared through this committee. The Director of Social Activities, a faculty member, is chairman of the committee.

### **Xavier Publications**

Primarily intended as a source of information for the Xavier family, these publications offer special opportunity to students who wish to learn news writing, editing, and creative literary expression.

*The Athletic Review*, published by the Department of Public Relations, is the official program for all home football and basketball games, and carries illustrated up-to-the-minute news about the Musketeers.

*The Musketeer*, the official year-book of the University, is a student edited and managed publication distributed shortly before the commencement exercises in June. Intended as a permanent record of student life at Xavier, *The Musketeer* presents in colorful pageantry a panorama of the various school events, social functions, athletics and campus organizations.

*The Xavier Athenaeum*, a literary quarterly that dates from the old college, is intended to foster literary effort among students. The staff is composed of honor students in English.

*The Xavier Alumni Newsletter* combines campus news with news about Xavier men and women everywhere. It is published by the Department of Public Relations and sent ten times a year to the entire Xavier family.

*The Xavier University News* is a weekly newspaper published by a board of student editors under the supervision of a faculty director. The staff is appointed by the director on the recommendation of the department of English with the approval of the Dean of the College of Liberal Arts. Appointment to the staff is a recognition of literary ability.

### **Xavier Television Program**

"Xavier Presents," a student-produced radio show begun in 1946, has been revised for television and is now presented weekly over Cincinnati's WCPO-TV station. The show is completely produced by the students who plan the production, write the scripts, recruit the talent, conduct the rehearsals, and participate as announcers, actors, and performers. Guest performers are presented each week from the colleges and universities in the tri-state area.

## Graduate Division

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Because of the fact that men and women are today seeking higher education in ever growing numbers, Xavier University deemed it proper to inaugurate graduate studies during the summer session of 1946. Throughout the academic year as well as the summer sessions, graduate courses are offered in chemistry, classical languages, education, English, history and philosophy. The Graduate Division is open to men and women.

The Graduate Council encourages the registration of both *special students* and *degree students*. *Special students* are those students who, with the approval of the head of the department concerned, register for individual courses which they may pursue with profit, without regard to degree requirements. *Degree students* are those students who register with the expressed intention of following a program leading to a graduate degree.

### THE DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCES

#### Objectives

Because of the difference in subject matter the objectives of the Master of Arts and Master of Science degrees are not identical. In the Master of Arts program greater emphasis is laid upon cultural and liberal pursuits. Yet, since Xavier's undergraduate program — the norm of admission for graduate students — calls for a broad background of general education, philosophy, and Christian culture even for the Bachelor of Science degree, the final goal of the two graduate degrees is approximately the same. It is this: that the student may have a specialized knowledge of his chosen field, coupled with an intelligent appreciation of the place of that field in the wide panorama of human thought.

Accordingly, these degrees are awarded to the candidate who has demonstrated a capacity for further study or teaching by satisfactorily completing a program of graduate work designed to give him these characteristics:

1. An understanding of the relations of his subject to allied subjects and to the synthesis of Christian culture, which is the basis of Western civilization;
2. A comprehensive knowledge of the broad field of learning in which the degree is conferred;
3. A specialized knowledge of a portion of that field;
4. Proven ability to do research in the special field of study.

### **General Requirements**

In accordance with the above objectives the general requirements for the degrees are respectively:

1. Completion of such undergraduate prerequisites as will give assurance of the candidate's general educational background. Satisfactory completion of the Graduate Record Advanced Test;
2. Completion of a program consisting of at least twenty-four hours of integrated classroom study within the student's chosen field;
3. Production of an acceptable thesis of a research character. To safeguard the cultural objectives it should be kept in mind that the result of research can be synthesis as well as analysis. For the thesis six credit hours (completing the required thirty hours) will be awarded on the recommendation of the thesis adviser.

## **THE DEGREE OF MASTER OF EDUCATION**

### **Objectives**

The degree of Master of Education, a professional degree, is designed to meet the needs of teachers and school administrators actually engaged in school work. It has one basic aim: stimulating better teaching wherever the influence of the successful candidate may extend, whether it be in an individual classroom, an entire school, or a whole school system.

Accordingly, this degree is awarded to the candidate who has demonstrated a capacity for improving the quality of teaching within the particular sphere of his influence by satisfactorily completing a program of graduate work designed to give him these characteristics:

1. Broadened appreciation of the proper objectives of education in modern society;
2. Deepened understanding of the psychological factors in learning;
3. Wide acquaintance with effective classroom techniques;

4. Intimate familiarity with the principles and practices of school administration;
5. Essential understandings and skills necessary for intelligent consumption of educational research;
6. Greater academic mastery of subject matter (for students selecting graduate work in an academic field).

### General Requirements

Requirements for the degree of Master of Education are specified with certain basic considerations in mind:

1. Sufficient flexibility is necessary to care adequately for the particular needs of the in-service educator who enrolls for the degree;
2. Before students are accepted as candidates for this degree, they must demonstrate a basic knowledge of the general field of education as generally required of undergraduates planning to teach;
3. Graduate programs must be so planned as to insure the student's attaining a comprehensive knowledge of professional theory and practice in the principal areas of the field; a detailed knowledge of at least one major area of specialization—for high school teachers this area may be an appropriate academic field; and capability in the skills and knowledge necessary for intelligent comprehension and use of educational research.

### Undergraduate Prerequisites

Students electing graduate work leading to the degree of Master of Education must present the following undergraduate courses in education or their equivalent:

Principles of Education;  
 Educational Administration, Organization, and Management;  
 Educational Psychology (prerequisite, general psychology);  
 Methods of Teaching.

### Program of Studies

To insure comprehensiveness in their programs for the degree of Master of Education, all candidates must include in their programs each of four general survey courses designed, in their whole, to provide integrated coverage of the broad field of education. These courses are:

- Ed. 201. Philosophy of Education, a Survey;
- Ed. 203. Educational Psychology, a Survey;

Ed. 205. Educational Administration, a Survey;

Ed. 207. Education Research from the Consumer Point of View, a Survey.

To insure their mastery of a particular area of education, all candidates must include in their programs a concentration of at least twelve credit hours in one of the following *areas of concentration*: elementary education, secondary education, educational guidance, educational administration, or an academic field. Thus the area of concentration may also be in any of the academic departments in which graduate courses are offered.

Students electing graduate courses which they plan to submit in fulfillment of requirements for the degree of Master of Education, must have their programs approved by the Chairman of the Department of Education in advance of their registration for courses if they are to be assured of the appropriateness of their selection.

### Quantitative Requirements

A minimum of thirty hours is required for the degree of Master of Education. These shall be distributed as follows:

1. General surveys in education, twelve credit hours.
2. Concentration, twelve credit hours.
3. Pertinent electives, six credit hours.

### Qualitative Requirements

The degree of Master of Education will be awarded only to candidates who have passed an oral examination lasting one hour on the general field of education as covered by the four survey courses and the individual's area of concentration.

## GENERAL REGULATIONS

### Admission

Application for admission to graduate studies is made in form. Application forms can be had on request. Applications should be followed promptly by a transcript of applicant's credits.

Students electing graduate work leading to a master's degree must present evidence of having a bachelor's degree from an accredited institution, and also present official transcripts of his record from each college in which credit was obtained. Others will be registered conditionally.

An applicant with a bachelor's degree from a non-accredited institution is not admitted to full graduate standing until he has

successfully completed at least six hours of graduate work with the required grades, and has been accepted by a committee of the Graduate Council on recommendation of the student's adviser.

Since graduate work is work done under direction, the chairman of the department of the student's major subject must decide on the student's preparation for graduate study in that department; and he, or one appointed by him, will be the student's adviser throughout. The general prerequisites for graduate work in any department must be the equivalent of an undergraduate major at Xavier University.

Seniors of satisfactory academic standing who are within nine hours of completing their undergraduate requirements for the bachelor's degree may, in their last semester, register for graduate work, but not for more than six hours of such work.

### **Candidacy**

Candidacy shall begin when, after the student's completion of six hours of graduate work, his application shall have been passed by the graduate council. Every student must make such application after completing six hours of work at Xavier and those thought unfit will be advised to discontinue their course.

No more than five years may elapse between candidacy and completion of work for the degree.

A student who attends only summer sessions may be granted a graduate degree provided he is engaged in work related to his major subject. This supposes that no more than five years shall elapse between his candidacy and the completion of his work.

### **Requirements**

Thirty semester hours of graduate work will be demanded of an applicant for any of the above degrees. In the case of applicants for a Master of Arts or Master of Science degree, twenty-four hours of such work will be devoted to fulfilling the course requirements and six hours to fulfilling the thesis requirement. Applicants for the Master of Education degree will devote the thirty hours to course requirements.

Students will be allowed to transfer no more than six graduate credits from other institutions.

For degrees requiring a thesis, familiarity with at least one foreign language is required for cultural background and use in research.

Distribution of the course requirements must be approved by the chairman of the department of the major subject. At least one-half of the courses taken must be fulfilled in that department. Candidates, however, for the Master of Arts and Master of Science degrees are advised to take all their work in their major department.

Character of the courses required is subject to the decision of the adviser. At least one-half the hours of credit in the major subject and one-half the total number of hours toward the degree must be obtained in courses numbered 200 or above, which are distinctly graduate courses.

### **Examinations and Marking**

The candidates for graduate degrees shall be required to pass an oral examination. It shall be the policy of the Graduate Division to give these examinations within three weeks of the end of the final semester. The head of the major department or one appointed by him shall be chairman of the examining committee and shall be responsible for the giving of the examination. The student must pass such other oral or written examinations as are required by his major department. A written examination may be required by the Department of education instead of the final oral.

The matter for the examination shall be based primarily on the student's courses and, if he is a candidate for the Master of Arts or Master of Science degree, on his thesis. It is understood, however, that a candidate's general knowledge of his field must be found satisfactory by his examiners.

The thesis required for the Master of Arts or Master of Science degree should embody the results of the applicant's research in some problem of his major subject, and must at each stage be under the direction of the Chairman of the Department of that subject or of one appointed by him.

The student must submit three typed copies of his thesis after it has been formally approved.

The following symbols are used in the evaluation of course work: A — indicative not only of high achievement, but also of an unusual degree of intellectual ability and initiative; B — above average attainment; C — work of minimum or average attainment; D — work of inferior quality, but passing; F — failure. To obtain credit graduate students must do work of B quality in courses numbered 100 to 199, and of C quality in courses numbered 200 or higher.

### **Graduate Record Examination**

All applicants for admission to the Graduate Division will be required to take the Graduate Record Examination at Xavier University, or to bring with them an official report of their scores. This report must include results of the general profile tests and results of the advanced tests in the student's proposed field of specialization if one is available in that field. Scores made on this examination permit the student to know accurately his strength or weakness in the various fields of knowledge in relation to national norms for



comparable students. In addition, the scores will aid the faculty in the guidance of the student.

### Tuition and Fees

Matriculation (payable once — degree students only) ..	\$10.00
Tuition (per credit hour — graduate) .....	12.50
Science fee (per course per semester) .....	10.00
Science deposit (per course per semester — partially refundable) .....	10.00
Laboratory materials deposit for science thesis (per semester — partially refundable) .....	20.00
Graduate Record Examination .....	3.00
Binding of thesis .....	3.00
Graduation fee .....	25.00

### Contingent Fees

Late Registration .....	\$ 5.00
Special Examination .....	2.00
Duplicate Transcript .....	2.00

All accounts must be settled on the day of registration. Attendance at classes will not be permitted until all financial obligations have been completed. *A service charge of \$3.00 will be added to all accounts not paid within ten days after the beginning of classes. For particulars, see p. 67.*

### Withdrawal

Withdrawal from a course should be reported at once to the Director of Graduate Division by the student, in person or in writing.

### Refunds

A refund of *tuition* may be claimed in the case of withdrawal or dismissal. During the academic year the amount refunded will be diminished by 20 per cent of the total amount for each two weeks of attendance. No refund will be made after the student has been in attendance for more than eight weeks. During summer sessions the amount refunded will be diminished by 20 per cent of the total initial amount for each four class days of attendance. No refund will be made after the student has been in attendance for more than sixteen class days. Fees are not refunded.

A refund of *dormitory expenses* may be claimed in the case of withdrawal or dismissal. The amount of refund will be made strictly on the basis of the proportionate number of weeks of residence.

All refunds are made on application in writing to the Bursar. The amount of refund will be calculated from the date of application.

# Undergraduate Divison

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## ADMISSION

### Application for Admission

Application for admission to Xavier University is made on a special form (Form 1) which will be supplied upon request made in person or by mail to: Director of Admissions, Xavier University, Victory Parkway, Cincinnati 7, Ohio.

### Procedure of Admission

Application is made in form (use Form 1).

To become eligible for admission to Xavier University, an applicant must follow this general procedure:

1. He must obtain from the director of admissions a copy of the form of application (Form 1) for admission.
2. He should fill out this form and send or bring it to: Director of Admissions, Xavier University, Victory Parkway, Cincinnati 7, Ohio. *Applicants who have been registered previously on the Evanston campus are required to submit only the application form with the admission (reservation) fee of \$25.00 to the director of admissions.*

Veterans please see paragraph on Admission of Veterans.

3. He should arrange to have a complete transcript of his high-school record sent to the director of admissions. If he seeks admission to advanced standing, he must also have a complete transcript of all previous college work sent to the director of admissions. *Please note paragraph on Necessary Credentials.*
4. Immediately upon notification of acceptance, the applicant must send his admission (reservation) fee of \$25.00 to: Director of Admissions, Xavier University, Victory Parkway, Cincinnati 7, Ohio.
5. If the applicant is accepted by the University, he should register in person on the days designated on the notice of admission.

### Time of Admission

Students may enter the University for the first semester, second semester, or summer session.

## Admission Fee

Upon notification of acceptance, new students must promptly pay the admission or reservation fee of \$25.00. Former students will remit this fee with their applications. *The fee is not refundable or transferable if the student cancels his application, fails to enter the University, or does not remain in residence or attendance for at least four weeks after his registration.* It will be applied to the student's account at registration, or refunded to the veteran after he has deposited his certificate of eligibility with the University's director of veteran's affairs.

## Admission by Certificate

Graduates of accredited high schools are admitted by certificate of graduation and an official record of units of high-school credit together with an official recommendation from the high-school principal. The official record of high-school credits must show a minimum average of C.

A unit is the equivalent of a subject extending through a school year of thirty-six weeks with five recitations per week. A minimum of fifteen units is required.

The fifteen required units may be offered in the following distributions:

1. A group of units including three units in English; two in foreign language; one in history; one in algebra; one in plane geometry, and one in science.
2. A group including two major sequences of three units each, and two minor sequences of two units each selected from:
  - a. *English and speech.* A major sequence must be offered from this group.
  - b. *Foreign language.* Any sequence must be in one single language selected from Greek, Latin, French, German, Italian, Polish or Spanish. Not more than two sequences in foreign language are acceptable.
  - c. *Mathematics.* A minor sequence including one unit in algebra and one unit in plane geometry is required. All applicants, *except those following the pre-engineering program*, may offer a unit of physics combined with a minor sequence in mathematics as a major sequence. Applicants for the pre-engineering program must present a major sequence in mathematics, including one and one-half units in algebra, one unit in plane geometry, and one-half unit in solid geometry.
  - d. *Science.* Not more than one unit in any one science may be offered. *Physics may not be counted toward a science*

*sequence if it is counted toward a major sequence in mathematics. If biology is included, neither botany nor zoology may be counted.*

- e. *Social studies.* This sequence may include from one to four units in history; from one-half to one unit in American government; one-half unit in economics; one-half unit in commercial law; one-half unit in geography; and from one-half to one unit in sociology.

The remaining units may be in any subjects counted toward graduation by an accredited high-school. However, single half units in languages or laboratory sciences will not be acceptable.

Applicants who have a deficiency not to exceed two units will be admitted as *deficient*. *Such deficiency must be removed before admission to sophomore standing.*

### **Admission on Probation**

Candidates who do not meet the qualifications outlined for admission may, under special circumstances, be admitted on probation at the discretion of the committee on admissions.

All applicants admitted on probation must pass successfully whatever examinations the committee on admissions shall deem necessary.

### **Admission to the Pre-Medical Program**

A minimum academic average of B is ordinarily required for admission to the pre-medical program. However, applicants whose averages are lower may be considered by the committee on admissions, given aptitude and intelligence tests, then admitted at the discretion of the committee on admissions.

### **Admission to Advanced Standing**

Applicants from other institutions of collegiate rank must file with the director of admissions complete original credentials from all institutions attended. These credentials must include an official transcript of all high-school and college credits showing the entire scholastic record; evidence of honorable dismissal or dismissals; and evidence of satisfactory completion of financial arrangements with the institution or institutions attended. No applicant may disregard his previous college record and apply for freshman standing.

The rank of advanced standing to which the student will be admitted will depend upon the quantity and quality of the work done in the other institution or institutions, the accreditation of the institution, and the conformity of the work to the degree program

for which the student wishes to register. Courses in which the applicant has received the lowest passing grade will not be acceptable. These courses need not be repeated unless repetition be deemed necessary by the dean or the directors of the departments. In all cases evaluation of credits for advanced standing will be provisional for at least one semester.

Students dismissed for poor scholarship from the University or from other institutions will not be eligible for admission or readmission until after the lapse of at least one semester. In all cases, admission or readmission and the conditions of such, will be determined finally by the committee on admissions.

The residential requirements for a degree must be fulfilled by all students admitted to advanced standing.

All credentials must be on file in the office of the director of admissions at least one month prior to the day of registration. (See paragraph on Credentials Needed.) It is advisable to get transcripts in much earlier.

### **Credentials Needed**

Applicants for admission to Xavier University must submit official records from all high schools and colleges previously attended. *These records must be sent to the director of admissions directly by the proper officer of the school or schools formerly attended; never through the student.* Credentials accepted for admission become the property of the University and are kept on file permanently. *All credentials must be filed at least one month before the day of registration.*

### **Admission of Veterans**

Xavier University is accredited with the Veterans Administration for educational training under Public Law 346 and Public Law 16.

All veterans who were students in good standing in Xavier University before entering the service will be readmitted if they give notice of their intention to re-enter in due time before registration.

Other veterans new to Xavier University will follow the procedure for new students. (See paragraph on Procedure of Admission.)

Veterans who wish to enter college or return to interrupted college work should, as soon as possible after discharge, apply to the Veterans Administration for a certificate of eligibility which is the official form designating the amount of schooling to which a veteran is entitled under the G.I. Bill of Rights. The Veterans Administration office for the Cincinnati area is located in the Faller Building, Eighth and Walnut Streets, Cincinnati, Ohio. Application may be made by presenting discharge papers at this office.

All veterans will be allowed academic credit for military service depending on the length and kind of service. Credit for formal service courses and schools is based on the recommendations set forth in *A Guide to the Evaluation of Educational Experiences Gained in the Armed Services*, published by the American Council on Education, and on the recommendations of the Jesuit Educational Association.

Credit will also be granted for courses completed in the A.S.T.P., Navy V-12, or Army Air Forces College Training Program upon receipt of a transcript from the college where the program was taken *provided* such courses are applicable to the curriculum to be followed and do not duplicate courses already credited.

Veterans must deposit the certificate of eligibility with Xavier University's director of veterans' affairs at the time of registration. *The certificate is not given to the dean, registrar or bursar.* Refunds of admission or reservation fees are made after registration.

Any honorably discharged veteran who has had active service is entitled to one year of education and an additional period of training not to exceed the time such person was in active service after September 16, 1940, and before the termination of the war, but in no case is the total period of education to exceed forty-eight months.

The Veterans Administration will defray the cost of tuition, books, supplies, and laboratory, library and other incidental fees up to a total of \$500.00 for the ordinary school year in any approved private or public educational institution which the veteran chooses to attend.

The Veterans Administration will also pay to veterans in actual full-time attendance under the G.I. Bill of Rights the following subsistence allowances:

1. \$75.00 per month to veterans without dependents
2. \$105.00 per month to veterans with one dependent
3. \$120.00 per month to veterans with two or more dependents

Servicemen who are honorably discharged and who have pensionable service-incurred or service-aggravated physical disability and who have established their need for vocational education may find it to their advantage to apply for increased benefits under Public Law 16.

Veterans who wish to register in the University without the Certificate of Eligibility, *will be considered as non-veterans and will be required to settle their accounts in full at the time of registration.*

All requests for information should be addressed to: The Director, Veterans' Education, Xavier University, Victory Parkway, Cincinnati 7, Ohio.

A limited number of honor scholarships will be given by Xavier University. Application for an honor scholarship should be made to:

The Chairman, Scholarship Committee, Xavier University, Victory Parkway, Cincinnati 7, Ohio.

### **Readmission**

Readmitted students who have been absent for more than a year are subject to the curricular requirements in force at the time of their readmission. If a student has attended another school since his withdrawal from Xavier University, a record of that work must be submitted before readmission.

Veterans who apply for readmission, however, may qualify for degrees under requirements in force at the time of their departure from Xavier University for military service, depending upon their classification at the time of their entrance into service.

### **Admission of Special Students and Auditors**

Although the University usually recommends a complete program of studies, students who possess sufficient maturity, experience, and educational background may, with the dean's consent, choose special courses without following a complete degree program. Courses thus taken may be subsequently credited toward a degree if proper credentials are presented.

Students may enroll themselves as auditors upon payment of the usual fees and tuition. *Academic credit is never given to an auditor.*

### **Notification of Admission**

The applicant will receive from Xavier University a notice of admission or a notice of unfavorable action as soon as the University has received his admission form and the official records from all high schools and all colleges previously attended.

### **Provisional Admission**

Provisional admission may be granted by the dean to a student who has been unable to complete arrangements for formal admission before registration dates. If the student is later discovered to be unqualified for admission, his admission and registration are canceled.

## **Registration**

Registration is the procedure which a student follows in enrolling for courses and in receiving assignment to definite classes, professors, hours and classrooms.

Both new and former students of all categories must complete the process of registration before every new session in which the student attends classes.

Students must register in person, not by proxy or by mail.

### **Time of Registration**

Fixed dates in each session found in the academic calendar of this catalogue are reserved for registration.

### **Late Registration**

Registration on days later than the assigned dates may be permitted upon the payment of a late registration fee of one dollar (\$1.00) per day up to ten (\$10.00).

### **Change in Schedule**

After the student has filed registration forms, changes in courses or sections can be made only with the consent of the dean at the recommendation of the departmental adviser. No change in schedule may be made later than two weeks after the inception of classes.

A fee of one dollar (\$1.00) will be charged for each change.

### **Number and Choice of Courses Permitted**

The number and choice of courses or total number of credit hours in a student's program of studies are subject to such restriction as shall be deemed necessary by the dean or the departmental adviser.

### **Course Duplication**

A student who enrolls for a course which he has already passed at Xavier or at any other institution will not receive credit for that course.

### **Selection of Courses**

Classified students must take the required courses at the proper class level; thus, all freshman courses should be completed before the sophomore courses. (See Outline of Approved Curricula.)



Both classified and unclassified students must observe prerequisites set by the University or by the departments which conduct the instruction. *Students may not disregard the directions of the dean and of the chairmen of departments in this matter.*

Since the University must consider the needs of all students, it may sometimes be unable to accommodate itself to the preferences of some students for particular hours and professors. The scheduling of courses and sections at certain hours does not mean that a student can always be admitted to any given section which he may select.

### **Freshman Week**

Recognizing the need of giving newly entering students an introduction to their work and University life, an orientation program is arranged and designated as Freshman Week. The program provides for conferences with members of the Committee on Student Advisement; aptitude and placement tests; registration and payment of fees; lectures on the use of the library; the existence and nature of student activities; health and military provisions; and the traditions of the University. All freshmen must register at 9:00 a.m. on Monday of Freshman Week. Freshmen who fail to register at the prescribed time will be charged a late registration fee and also such special fees as are incurred by those who fail to take all prescribed tests and examinations at the designated time.

### **Transcript Regulations**

Application for a transcript of credits must be made in writing by the student himself and filed with the registrar *at least two weeks before the record is needed.*

Requests for transcripts for purposes of transfer to another university or for any other purpose cannot be granted during the busy periods of examination and registration.

Transcripts are issued only after the student has fulfilled all financial obligations to the University.

There is no charge for the first transcript. A fee of \$2.00 is charged for each additional complete transcript.

### **EXPENSES**

The following rates are effective in the regular academic year and in the summer session. All communication concerning expenses should be addressed to: Director of Admissions, Xavier University, Victory Parkway, Cincinnati 7, Ohio.

An admission or reservation fee of \$25.00 will be required of all prospective students whose applications are approved. Receipt of this

fee will assure the applicant of a place in one of the University classes. This fee will be refunded or applied to tuition or room expenses according to the veteran or non-veteran, resident or non-resident status of the applicant.

### Accounts Payable (Undergraduate Day Classes)

All accounts must be settled on the day of registration. Attendance at classes will not be permitted until all financial obligations have been completed. *A service charge of \$3.00 will be added to all accounts not paid within 10 days after the beginning of classes. An additional service charge of \$1.00 will be added for each additional month that the account is not settled.*

### Refunds

A refund of *tuition* may be claimed in the case of withdrawal or dismissal. During the academic year the amount refunded will be diminished by 20 per cent of the total initial amount for each two weeks of attendance. *No refund will be made after the student has been in attendance for more than eight weeks.*

During summer sessions the amount refunded will be diminished by 20 per cent of the total initial amount for each four class days of attendance. No refund will be made after the student has been in attendance for more than sixteen class days.

Fees are not refunded in summer or regular sessions.

A refund of *dormitory expenses* may be claimed in the case of withdrawal or dismissal. The amount of refund will be made strictly on the basis of the proportionate number of weeks of residence.

All refunds are made on application in writing to the bursar. The amount of refund will be calculated from the date of application.

*N.B.* — The above statement applies to all divisions of the University except the classes of the Evening College.

### Ordinary Expenses

Tuition per credit hour*	\$12.00
N.B.—Auditors pay same rate as above.	
Matriculation fee (payable once)	5.00
R.O.T.C. fee (for 2 semesters)	10.00
deposit (partially refundable)	10.00
Student Health Service fee (per semester)	3.75
Laboratory science fee (per course per semester)	10.00
Laboratory materials deposit (per course per semester — partially refundable)	5.00

\*Effective September 1, 1952.

Laboratory materials deposit for science thesis per semester (partially refundable).....	\$20.00
General fee (per semester).....	13.00
(The general fee includes the use of all non-classroom facilities.)	
Rate for private tutoring (per clock hour).....	2.00

### Contingent Expenses

Fee for change in registration.....	1.00
Late registration (exclusive of special examination) per day.....	1.00
Maximum.....	10.00
Special examinations (each).....	2.00
Duplicate transcript.....	2.00
Graduation fee.....	25.00

### Room

Room (per semester).....	\$77.50
Room reservation (applied to account).....	10.00

### Room Equipment

All rooms are equipped with a bed, desk, chair, bed linen and light bulbs.

Students are expected to bring blankets, towels, rugs, soap, desk lamp and any extra furniture desired.

### Board

Meals are served in the University Cafeteria. All boarding students are required to take their meals in the University Cafeteria when living on campus. During the academic year 1951-52, rates for three meals a day, five days a week, will be between \$175.00 and \$190.00 per semester, depending on the rise in food prices.

### Tuition Rate for Evening Classes (Downtown Campus, Undergraduate)

1. The tuition fee for all subjects is \$7.00 per class hour. There is a minimum tuition charge of \$15.00 for each semester.
2. Students registering at Xavier University for the first time pay a matriculation fee of \$5.00.
3. Additional fees:
  - a. Typewriting Course (each semester)..... \$ 1.00
  - b. Special Examination..... 2.00
  - c. Certificate Fee..... 10.00
  - d. Bachelor's Degree Fee..... 25.00
  - e. Xavier University News. (Required). Per semester.... .75

# Academic Administration

## Classification of Students

Students are classified in the following groups: *lower division*, *upper division* and other groups of a miscellaneous nature.

### *Lower Division Groups:*

1. Freshmen — students having less than 32 credit hours and 64 quality points.
2. Sophomores — students having from 32 credit hours and 64 quality points to 63 credit hours and 127 quality points.

### *Upper Division Groups:*

1. Juniors — students having from 64 credit hours and 128 quality points to 95 credit hours and 191 quality points *inclusive of all lower division requirements*.
2. Seniors — students having a minimum of 96 credit hours and 192 quality points *inclusive of all lower division requirements*.

### *Other Groups:*

1. Part-time — students taking less than 12 credit hours of work in any semester.
2. Unclassified — students who have not declared themselves as candidates for any degree.
3. Auditors — students taking courses for informational purposes and not for college credit.

## Unit of Instruction

A unit of instruction is one hour a week for a minimum of 16 weeks. The unit is called a *credit hour* and is the measure of work in the College of Liberal Arts. A weekly two- or three-hour period of laboratory work is considered equivalent to one credit hour.

## Course

A course is a complete set of lectures, quizzes, recitations, student exercises, laboratory periods, and examinations on a given subject. Some courses continue through two successive semesters. No final credit is allowed if only part of such courses is completed.

## Field of Specialization

At the close of his sophomore year and with the approval of his adviser and the chairman of the department, the candidate for a

degree must select a field of specialization in which he will take more intensive study in his junior and senior years. This field of specialization will consist of a major and a minor.

### Major

The major will ordinarily consist of a minimum of eighteen credit hours of *upper division* work completed with an average of C in one department. This work will suppose the completion of at least six credit hours (C average) of *lower division* work in the department.

In the departments of classical and modern languages this six-credit-hour requirement of *lower division* work is not satisfied by beginning courses or their equivalent.

### Minor

The minor will ordinarily consist of a minimum of twelve credit hours of *upper division* work in another department approved by the student's adviser and completed with an average of C. This work will suppose the completion of at least six credit hours (C average) of *lower division* work in the department.

With the approval of his adviser and the chairman of the department the candidate may distribute his *upper division* work (approximately thirty credit hours) in the major and the minor on a fifteen-fifteen or twenty-one-nine credit hour basis. Such a distribution of credit hours, however, must be determined before the second semester of the candidate's junior year.

### Examinations

Examinations in all courses are regularly held at the close of the session. A student who has been absent from a final examination will receive a grade of X if the excuse for the absence is acceptable to the dean; otherwise, the absentee will receive an automatic failure. Absence, however, does not excuse a student from the requirement of a special examination at a time determined by the dean. *If an X grade is not removed within thirty days a grade of F will be given for the course.*

Written assignments are due at the time specified by the instructor. If extension is granted beyond the end of a session, the student will be given the temporary grade of I. Unless completion of the assignments be made within two weeks after the close of a session, the student will be recorded as having failed the course. C is the maximum grade which a student can earn in a course after having received an I in that course.

If a student claims knowledge of a subject for which he cannot furnish an official record, a special examination may be given with the approval of the dean and the chairman of the department.

## Grading System and Reports

At the end of each session the parent or guardian receives by mail an estimate of the quality of the student's work in each of the courses pursued. This estimate is based upon the combined results of examinations and class work and is expressed by the following symbols:

- A — Exceptional. Indicates not only high achievement but also an unusual degree of intellectual initiative.
- B — Good. Indicates attainment above the average.
- C — Average. Indicates the normal attainment for the average student.
- D — Inferior. Indicates passing work but below the normal attainment.
- F — Failure.
- FA — Failure because of excessive absences.
- I — Incomplete; grade withheld pending fulfillment of assignment.
- W — Withdrawal (approved).
- WP — Withdrew passing.
- WF — Withdrew failing.
- X — Absent from examination.

## Quality Points

The quality point is the unit used in measuring the quality of student achievement in a course. The number of quality points received for any course is equal to the number of quality points attached to the grade received multiplied by the number of credit hours yielded by the course. Quality points are given as follows:

- A — 4 points per credit hour
- B — 3 points per credit hour
- C — 2 points per credit hour
- D — 1 point per credit hour

A candidate for a bachelor's degree must earn not only the number of credit hours (128) required for the bachelor's degree, but his work must possess a certain excellence which is measured by *quality points*.

The scholastic standing of the student at the end of any session is the ratio of the total number of quality points received to the total number of credit hours carried in that session.

## Censures

Any student whose quality point average is below 1.5 for each session of the first year, or 1.75 for each session of the second year,

or 2.0 for each session of the succeeding years will be automatically placed on probation.

This censure excludes the student from participation in any extracurricular activity except of a religious nature, and reduces the number of credit hours which the student may carry.

The censure will continue for at least one session. At the end of this session any student on probation who fails to average C in the semester's work will be dismissed from the University. Any student on probation whose semester average is C, but whose general overall average is below C, will be continued on probation for one more session. If, at the expiration of the continued probationary period, the student's average is below C, he will be dismissed from the University.

The purpose of applying these censures of probation and dismissal is to give reasonable assurance to the student and to his parents that, if he is allowed to continue for the usual four years, he may normally expect to graduate. Therefore, the censures and the exclusion from participation in extra-curricular activities are not applied mechanically. The record of each student on probation is reviewed carefully by the Committee on Admissions each semester. If, in the judgment of the committee, the record of the student during the past semester or modifying circumstances give well grounded hope that the student will improve and will eventually graduate in approximately the normal course of time, then the committee may continue the student on probation beyond one semester, or allow him to carry the usual number of credit hours, or allow him to participate in extra-curricular activities.

Any student whose quality point average is low, but not so low as to warrant the censure of probation, may be placed on the *warned* list.

This censure does not demand a reduction of the student's load nor does it positively exclude the student from participation in extracurricular activities, but such participation may be restricted at the discretion of the dean or the departmental adviser.

Failure in a number of courses is regarded as poor scholarship. At the discretion of the dean, such a student will be excluded from registration in the University for at least one session. Permission to return after one session, or at any subsequent time, will be granted only at the discretion of the committee on admissions.

If a student is placed under scholastic censure, the University assigns the right to change or limit the student's program of courses to the student's departmental adviser or to the dean. The same right will be exercised in the case of poor health or other circumstances unfavorable for study.

The University reserves the right to censure the conduct of any student on or off the campus in accord with the generally accepted

norms of good behavior, Catholic practice, and Catholic principles of morality. This censure will be regarded as purely disciplinary and may take the form of correction, suspension, or dismissal which the President of the University, upon advice of the committee on student Welfare, may deem appropriate. Suspension will carry with it the scholastic loss resulting from absence, and dismissal will mean the loss of credit hours. When a student incurs the disciplinary censure of dismissal, or withdraws while under the censure of suspension, the University has the right to declare, at the discretion of the president, the fact of disciplinary censure to the admissions officer of any educational institution to which the student may subsequently apply. In such cases the reason or reasons of censure will be stated only with the consent of the parent or guardian.

### Attendance

In order to secure credit in any course in which he is registered, the student is required to attend classroom and laboratory exercises *regularly* and *promptly*. Absences date from the day of opening announced in the calendar.

No unexcused absences are allowed. Any student who absents himself from class without a sufficient reason will be dropped from the course. A certain number of excused absences for reasons judged valid by the dean will be allowed. Reasons for absences must be presented in writing at the registrar's office the first day the student returns to class.

### Tardiness

Tardiness at class or leaving class before the expiration of the period will be counted as one-half an absence.

### Absence from a Test

Absence from a previously announced test will incur the penalty of a failure in that particular test.

### Withdrawal

If a student withdraws from any or all courses without permission of the dean, he receives an automatic failure. *Permission will be given only when application is made within two weeks after discontinuance of attendance.*

The student who withdraws from any or all courses with the requisite permission receives a grade of W, if the withdrawal takes place *within* the first third of the session; or a grade of WP (withdrew passing) or WF (withdrew failing), if he withdraws *after* the first third of the session. The grade WF is accounted as a failure in computing scholastic standing.



# Curricular Administration

## Lower Division and Upper Division Courses

Courses are grouped according to their basic or advanced content. Basic courses, which are ordinarily open to freshmen and sophomore students, are regarded as *lower division* courses. *Upper division* courses are open to junior and senior students. Sophomore students, who have completed their *lower division* requirements in a particular department, may, with the approval of their advisers and the chairman of the department, enroll in an *upper division* course in that department.

## Departments

For the purposes of faculty administration and of classification of courses according to the nature of their subject matter, all courses are grouped in *departments*. In the College of Liberal Arts there are sixteen departments: Accounting, Biology, Chemistry, Economics and Business, Education, English, History and Political Science, Classical Languages, Modern Languages, Mathematics, Military Science, Philosophy, Psychology, Physics, Theology and Sociology.

## Curricular Fields

There is a larger grouping of departments into four curricular fields. This grouping is made to facilitate inter-departmental administration and to integrate areas of study.

The four fields are:

### 1. Language and Literature

English and Speech  
Greek, Latin  
French, German  
Spanish

### 3. Natural Sciences

Biology  
Chemistry  
Geophysics  
Mathematics  
Physics

### 2. Social Sciences

Accounting  
Economics and Business  
Education  
Geography  
History  
Political Science  
Sociology

### 4. Philosophy and Religion

Philosophy  
Psychology  
Theology

## Lower Division Objectives

Toward realization of the immediate University objectives (intellectual competence with a sense of religious and moral responsibility) and the objectives of the undergraduate division (an exclusively general and liberal training), the student should, at the completion of his work of the first two years, have attained the following:

1. A religious knowledge adequate for personal orientation and influential Christian living
2. An acquaintance with, and some practice in, the modes of thinking — philosophical, mathematical, and scientific
3. A competence in basic English communication, written and oral, with an adequate acquaintance with the types, and some of the masterpieces of English literature
4. A reading knowledge of at least one foreign language
5. An acquaintance with the history and principles of social institutions

The objectives and standards of the several departments concerned in this program indicate their special contribution to the above, in such a way that a student who has completed a minimum of sixty-four hours with a C average, can be regarded as having sufficiently attained the objectives.

*Excess quality points at the completion of the student's lower division work may not be applied to remove a quality-point deficiency in the upper division work.*

Before the close of his sophomore year, the student who wishes to continue his education in the University will be required to choose a field of specialization for his future work. Only upon acceptance by the chairmen of the departments concerned, and on successful completion of his *lower division* work, may the student be considered eligible to continue.

In the last semester of his *lower division* work, a student who has satisfied the *lower division* prerequisites in a particular subject, may, if his schedule allows, and if the dean and the chairman of the department concerned authorize it, take an *upper division* course in that subject.

## Upper Division Objectives

Toward more special realization of the immediate University objectives (intellectual competence, etc.) and the objectives of the undergraduate division for the last two years of college (continued general and liberal training *plus* opportunities for specialization), the student is offered the following:

1. A continuation of his general and liberal training in the study of philosophy and allied subjects
2. Fields of specialization, with a major and minors system, for prudent concentration

At the completion of this work, the student must qualify as to his attainment of the University and undergraduate division objectives through a thesis or a comprehensive examination. The matter of these, broadly stated, will be: his knowledge of his field of specialization, his grasp of the principles of knowledge, and his ability in the application, co-ordination and systematization of facts and principles.

### Degrees

The University will confer a bachelor's degree upon any candidate of the University who has successfully completed an accepted program of studies, and who has fulfilled, prior to graduation, all degree requirements, both general and particular. The undergraduate degrees conferred by the University on candidates of the College of Liberal Arts are the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Physical Education, and Bachelor of Literature.

### Graduation Honors

Honors are awarded on the basis of outstanding moral and intellectual attainment. A student who has earned a quality-point average of 3.75 in his four years of college work will be graduated *Summa Cum Laude*; one who has earned 3.5, *Magna Cum Laude*; one who has earned 3.25, *Cum Laude*. These honors are announced at commencement and are inscribed on the diplomas of those meriting them.

*For students graduating in June, the final semester's work cannot be computed in determining the quality-point average for honors.*

Transfer students are eligible for honors at graduation only under the following conditions:

1. They must have completed at least *sixty-four* semester hours of work at Xavier University.
2. Their quality-point average must be computed on the basis of *all of their college work*.
3. Under no circumstances will honors be awarded that are higher than the honors merited by the quality-point average earned at Xavier University.

### Residential Requirements

Candidates for degrees must spend at least the last year in residence at Xavier University. Residence is the personal presence

at the University of a student carrying a normal weekly load. To establish residence of a year for a bachelor's degree at the University, a student ordinarily must complete one-fourth of the total number of hours required for graduation.

### Commencement Attendance Requirement

All candidates for degrees must be present at the commencement exercises to receive their degrees.

### General Requirements for Graduation

In addition to the requisites of a particular program, a candidate for the bachelor's degree must fulfill the following requirements:

1. The candidate shall have qualified as a classified student in Xavier University and shall have all records from other institutions in order.
2. The candidate shall have completed an accepted academic program of not less than one hundred twenty-eight credit hours with an average of C. Specifically, an average of 2.0 (C) shall have been maintained in his *upper division* courses since surplus quality points are not transferable from *lower division* courses.
3. The candidate shall have completed all *lower division* objectives.
4. The candidate shall have fulfilled the *lower division* and *upper division* objectives in the matter of distribution of courses.
5. The candidate, except for the degree of *Bachelor of Literature*, shall have completed a minimum of eighteen credit hours in philosophy and psychology courses, exclusive of Pl 132, a required Christian culture course.
6. The candidate, if a Catholic, shall have completed eight credit hours in formal courses in religion, and eight credit hours in Christian culture courses.
7. The candidate, if a non-Catholic, shall have successfully completed Rl 3 and 4 (or their equivalent) and eight credit hours of Christian culture courses.
8. The candidate shall have completed, *in residence*, the last thirty-two credit hours (C average) in courses approved by the College of Liberal Arts.
9. The candidate whose major is in one of the natural sciences or mathematics or psychology, must qualify by a written thesis. The original and one copy, required by the University, must be deposited with the registrar on or before the date designated in the University calendar. All other candidates must qualify by a comprehensive examination.

10. The candidate, with the approval of the head of the department, shall have made formal application to the dean for the degree sought. This form shall have been filed in the registrar's office at the beginning of the last session.
11. The candidate shall have discharged all financial obligations to Xavier University.

N.B. — No student will be considered eligible for graduation who has any deficiency at the beginning of the last session of his senior year, or who has less than one hundred twelve credit hours of C average.

### **Reservation of Rights**

The University reserves the right to modify its graduation and other academic requirements as may seem necessary from time to time. It will be obligated only during the academic year of the student's registration by requirements published in the catalogue for that year.

### **Subject Requirements for Degrees**

In addition to the fulfillment of other requirements, a candidate for a degree in the University must follow a definite program of studies. The prescribed subjects together with the corresponding minimum semester hours for each degree program are listed as follows.

#### **The Honors Bachelor of Arts**

The University has instituted this honors degree in the confident belief that its values meet the crying need of our day for Christian humanism. The permanent and important things of life which make up our heritage have been submerged in the panic of a search for security.

Men have forgotten that security can be based only on those things that are themselves secure. The secure things are these: the great languages and the great literatures by which men communicate their ideals and aspirations; the great history of human thought; the poetry, tragedy, history, oratory and philosophy by which we come to an understanding of the mind and heart of man and the ways of God with humankind, and to an understanding of the dignity of man and his relationships with his fellowmen.

**Entrance Requirements.** In order to achieve the personal contact between instructors and students so necessary in true education, the size of the classes in the Honors Course is held to a minimum. Consequently only superior students are admitted, and only those ranking high in their graduating classes should make application. A special board of admissions for the Honors Course will pass on each applicant. The board will consider the applicant's standing in the

graduating class, his high school average, the recommendation of his high school principal, and the results of his aptitude and intelligence tests. In some cases the applicant will take special examinations administered by Xavier University.

The ordinary requirements for admission to Xavier University may be found in the University catalogue. In addition to these requirements students admitted to the Honors Course must present four units of high-school Latin. It is desirable, but not necessary, that the student present two units of high-school Greek.

Graduates of the Honors Course will find themselves especially fitted to continue their education in graduate schools or in professional schools of law or medicine. Those who intend to study medicine after graduation will take two summers of specialized work in biology and chemistry during the course. Entrance to a medical school is assured to graduates of the Honors Course.

**The Curriculum.** In choosing and ordering the courses the committee has been guided by the following principles:

1. Ninety percent of human life is concerned with thought and language; to be able to think clearly and express one's thoughts cogently must be the goal of any true education.
2. To achieve this goal three things are necessary:
  - (a) A solid training in the structure (grammar, syntax and vocabulary) of language, especially of Latin and Greek, the basic languages of western civilization
  - (b) A solid foundation in the forms of thought, formal logic and philosophy, mathematics and the inductive process of the sciences
  - (c) An acquaintance with the great writers and thinkers of the world against their historical backgrounds.

There are no electives in this curriculum; each course has been selected by the Honors Committee with a view to its integration in a unified program. In the senior year, however, eight semester hours are left free in order to enable prospective medical students to finish their science requirements. These eight hours will be employed by other students in accordance with the Honors Committee's recommendations.

The following is a skeleton outline of the curriculum:

<i>Subject</i>	<i>Sem. Hrs.</i>	<i>Subject</i>	<i>Sem. Hrs.</i>
Latin.....	26	Military science.....	8
Greek.....	21	Modern languages.....	6
English.....	18	Philosophy.....	24
History.....	12	Theology.....	8
Mathematics.....	12	Science.....	18 or 26
Special recommendations by Honors Committee.....		8	

## Bachelor of Arts

The degree of Bachelor of Arts is conferred on the candidate whose major has been chosen from any one of the four curricular fields. The prescribed subjects together with the corresponding minimum semester hours required are:

<i>Semester Hours</i>			<i>Semester Hours</i>		
<i>Subject</i>	<i>*L.D.</i>	<i>**U.D.</i>	<i>Subject</i>	<i>*L.D.</i>	<i>**U.D.</i>
Major.....	6	18	Modern language or		
Minor.....	6	12	Greek.....	6-12	—
Christian Culture....	—	8-10	Philosophy and		
English.....	12	—	psychology.....	6	12
History.....	6	—	Theology.....	8	—
Latin (C average)...	12	—	Speech.....	2	—
Mathematics or			Comprehensive		
science.....	6-8	—	Review.....	—	2
Military science.....	8	—			

## Bachelor of Science (Natural Sciences)

The degree of Bachelor of Science is conferred on the candidate whose major and minor have been chosen from the curricular fields of mathematics and/or the natural sciences.

The minimum program requirements are:

<i>Semester Hours</i>			<i>Semester Hours</i>		
<i>Subject</i>	<i>L.D.</i>	<i>U.D.</i>	<i>Subject</i>	<i>L.D.</i>	<i>U.D.</i>
Major in biology....	8	22	History.....	6	—
Major in chemistry..	14	31	Mathematics.....	6-9	—
Major in physics....	8	18	Military science....	8	—
Major in math.....	9	18	Modern language....	6-12	—
Minor in biology....	8	16	Philosophy and		
Minor in chemistry..	14	10	psychology.....	6	12
Minor in physics....	8	12	Physics.....	8	—
Minor in math.....	9	12	Theology.....	8	—
Chemistry.....	10	—	Speech.....	2	—
Christian culture....	—	8-10	Thesis.....	—	2
English.....	12	—			

\*L.D. signifies lower division.

\*\*U.D. signifies upper division.

### Bachelor of Science (Business Administration)

The candidate for the B.S. in B.A. degree must choose accounting and economics for his field of specialization. A major may be taken in either accounting or economics.

The prescribed subjects and corresponding minimum semester hours required for this program are:

Semester Hours			Semester Hours		
Subject	L.D.	U.D.	Subject	L.D.	U.D.
Major in accounting.	6	18	Military science.	8	—
Major in economics.	6	18	Modern language.	6-12	—
Minor in economics.	6	12	Philosophy and		
Minor in accounting.	6	12	psychology.	6	12
Christian culture.	—	8-10	Theology.	8	—
English.	12	—	Science.	8	—
History.	6	—	Speech.	2	—
Mathematics.	6	—	Comprehensive		
			Review.	—	2

### Bachelor of Science (Economics)

The degree of Bachelor of Science is conferred on the candidate who has chosen economics as a major and who has selected a minor from the curricular field of modern language or the social studies and whose program conforms to the following minimum requirements:

Semester Hours			Semester Hours		
Subject	L.D.	U.D.	Subject	L.D.	U.D.
Major (p. 124).	6	18	Philosophy and		
Minor.	6	12	psychology.	6	12
Christian Culture.	—	8-10	Theology.	8	—
(Four courses)			Science.	8	—
English.	12	—	Speech.	2	—
History.	6	—	Electives.	—	8-10
Mathematics.	6	—	Comprehensive		
Modern language.	6-12	—	Review.	—	2
Military science.	8	—			

### Bachelor of Science (English)

The degree of Bachelor of Science is conferred on the candidate who has chosen English as a major and who has selected a minor from the curricular field of modern language or the social studies and whose program conforms to the following minimum requirements:



Semester Hours			Semester Hours		
Subject	L.D.	U.D.	Subject	L.D.	U.D.
Major.....	12	18	Philosophy and		
Minor.....	6	12	psychology.....	6	12
Christian Culture....	—	8-10	Theology.....	8	—
(Four courses)			Science.....	8	—
History.....	6	—	Speech.....	2	—
Mathematics.....	6	—	Electives.....	—	8-10
Modern language....	6-12	—	Comprehensive		
Military science....	8	—	Review.....	—	2

### Bachelor of Science (History and Political Science)

The degree of Bachelor of Science is conferred on the candidate who has chosen history or political science as a major and who has selected a minor from the curricular field of modern language or the social studies and whose program conforms to the following minimum requirements:

Semester Hours			Semester Hours		
Subject	L.D.	U.D.	Subject	L.D.	U.D.
Major.....	6	21	Philosophy and		
Minor.....	6	12	psychology.....	6	12
Christian Culture....	—	8-10	Theology.....	8	—
(Four courses)			Science.....	8	—
English.....	12	—	Speech.....	2	—
Mathematics.....	6	—	Electives.....	—	8-10
Modern language....	6-12	—	Comprehensive		
Military science....	8	—	Review.....	—	

### Bachelor of Science (Modern Language)

The degree of Bachelor of Science is conferred on the candidate who has chosen modern language as a major and who has selected a minor from the curricular field of the social studies and whose program conforms to the following minimum requirements:

Semester Hours			Semester Hours		
Subject	L.D.	U.D.	Subject	L.D.	U.D.
Major.....	6-12	18	Philosophy and		
Minor.....	6	12	psychology.....	6	12
Christian Culture....	—	8-10	Theology.....	8	—
(Four courses)			Science.....	8	—
English.....	12	—	Speech.....	2	—
History.....	6	—	Electives.....	—	8-12
Mathematics.....	6	—	Comprehensive		
Military science....	8	—	Review.....	—	2

### Bachelor of Science (Philosophy)

The degree of Bachelor of Science is conferred on the candidate who has chosen philosophy as a major and who has selected a minor from the curricular field of classical language, modern language or the social studies, and whose program conforms to the following minimum requirements:

Semester Hours			Semester Hours		
Subject	L.D.	U.D.	Subject	L.D.	U.D.
Major.....	6	20	Military science.....	8	—
Minor.....	6	12	Theology.....	8	—
Christian Culture.....	—	8-10	Science.....	8	—
(Four courses)			Speech.....	2	—
English.....	12	—	Electives.....	—	14-22
History.....	6	—	Comprehensive		
Mathematics.....	6	—	Review.....	—	2
Modern language....	6-12	—			

### Bachelor of Science (Physical Education)

For the student preparing to teach physical education or to coach athletics in high school, a curriculum is offered leading to the degree of Bachelor of Science in Physical Education. The student must meet the general requirements of the B.S. degree with a major in the combined fields of education and physical education. This major will comprise the basic courses in education, *required for qualification for high-school teaching*, together with sixteen hours in physical education.

The minimum program requirements are:

Semester Hours			Semester Hours		
Subject	L.D.	U.D.	Subject	L.D.	U.D.
Major in education..	10	21-23	Modern language....	6-12	—
Minor in education—			Philosophy and		
phys. ed.....	6	12	psychology.....	6	12
Christian culture....	—	8-10	Theology.....	8	—
English.....	12	—	*Science (Bl 9, 10)...	6	—
History.....	6	—	Speech.....	2	—
Military science.....	8	—	Electives.....	—	9-12
			Comprehensive		
			Review.....	—	2

\*Bl 9 and 10 will be offered every other year in alternation with Ps 31 and Pl 34 in the freshman-sophomore program.

### Bachelor of Science (Psychology)

The degree of Bachelor of Science is conferred on the candidate who has chosen psychology as a major and who has selected a minor

from the curricular field of modern language or the social studies and whose program conforms to the following minimum requirements:

<i>Subject</i>	<i>Semester Hours</i>		<i>Subject</i>	<i>Semester Hours</i>	
	<i>L.D.</i>	<i>U.D.</i>		<i>L.D.</i>	<i>U.D.</i>
Major in psychology.	9	18	Military science.....	8	—
Minor.....	6	12	Philosophy.....	6	12
Christian culture.....	—	8-10	Theology.....	8	—
English.....	12	—	Science.....	8	—
History.....	6	—	Speech.....	2	—
Mathematics.....	6	—	Electives.....	—	8-10
Modern language....	6-12	—	Senior thesis.....	—	2

### Bachelor of Literature

The degree of Bachelor of Literature is conferred on a candidate whose major has been in the curricular field of languages and whose program has included the following subjects and corresponding minimum semester hours:

<i>Subject</i>	<i>Semester Hours</i>		<i>Subject</i>	<i>Semester Hours</i>	
	<i>L.D.</i>	<i>U.D.</i>		<i>L.D.</i>	<i>U.D.</i>
Major.....	6	18	Latin.....	12	—
Minor.....	6	12	Modern language....	6-12	—
English.....	12	—	Science or		
Greek.....	12	—	mathematics.....	6	—
History.....	6	—	Speech.....	4	—

### Preparation for Professional and Technical Schools

In preparation for admission to schools of law, medicine, dentistry and engineering, Xavier University offers the following programs of study.

**Pre-Legal Curriculum.** Students who apply for admission to schools of law must have completed a minimum of two years (sixty-four semester hours at Xavier University) of collegiate work. Many schools of law now demand a minimum of three years of collegiate training prerequisite to admission. The three-year requirement is met in this program:

<i>Subject</i>	<i>Semester Hours</i>	<i>Subject</i>	<i>Semester Hours</i>
Accounting.....	6	Modern language....	6-12
Economics.....	6	Philosophy.....	18
English.....	12	Theology.....	8
History.....	18	Science.....	8
Mathematics.....	6	Speech.....	2
Military science....	8		

**Pre-Medical Curriculum.** The minimum requirement for admission to standard schools of medicine is three years of collegiate preparation in an approved college. This preparation presupposes the regularly required high-school units, and prescribes two semesters of work in English, biology, physics, and organic chemistry, respectively; and, electives of sufficient quantity to complete the sixty-four hours of academic studies. An average of C is required in all prescribed subjects.

Medical schools now require a minimum of three years of collegiate preparation; others, a bachelor's degree; still others, special entrance requirements peculiar to those schools. On the account of such varied prerequisite preparation for admission, each prospective medical student is advised to acquaint himself with the specific requirements of the school of medicine which he intends to enter, and to plan his pre-medical work accordingly.

Xavier University offers the following program:

<i>Subject</i>	<i>Semester Hours</i>	<i>Subject</i>	<i>Semester Hours</i>
Biology.....	16	Military science.....	8
Chemistry.....	28	Modern language....	6-12
Christian culture....	4-5	Philosophy.....	12
English.....	12	Physics.....	8
Mathematics.....	6	Theology.....	8

**Pre-Dental Curriculum.** Since dental schools frequently have special entrance requirements in accordance with certain regulations of the state board concerned, the student should acquaint himself with these through correspondence with the registrar of the school which he intends to enter.

The minimum entrance requirement to standard schools of dentistry is two years of collegiate preparation. This preparation must include one year in each of these fields: biology, English, inorganic chemistry and physics, and one semester of organic chemistry. An average of C is required in these courses. The following curriculum will meet the minimum requirements for entrance to standard schools of dentistry:

<i>Subject</i>	<i>Semester Hours</i>	<i>Subject</i>	<i>Semester Hours</i>
Biology.....	8	Military science.....	8
Chemistry.....	20	Philosophy.....	6
English.....	6	Physics.....	8
History.....	6	Theology.....	8
Mathematics.....	6		

■ Students who wish or need a more extensive background for professional study in dentistry are encouraged to take the following program:

<i>Subject</i>	<i>Semester Hours</i>	<i>Subject</i>	<i>Semester Hours</i>
Biology.....	14	Philosophy and psychology.....	12
Chemistry.....	28	Physics.....	8
English.....	12	Theology.....	8
History.....	6	Speech.....	2
Military science....	8	Christian culture....	4-5

**Pre-Engineering Curriculum.** Strictly speaking there is no collegiate preparation demanded by colleges of engineering. However, many of the engineering colleges have basic preparation before the engineering students take up the work of their specialized fields. The Xavier curriculum is designed to cover these usual requirements in mathematics, drawing, physics, chemistry, and English. It is recommended that the student choose his engineering school and course by the end of the freshman year. Then, during the sophomore year, he can elect such courses as English, economics, accounting, statistics, etc., which will fit into the *upper division* program of his chosen school. Such a plan will permit him to make up sophomore technical subjects when he begins his professional training.

### Training for High-School Teaching

Xavier University offers training for high-school teaching in the academic fields and physical education. The work of teacher-training is coordinated through the Department of Education of Xavier University.

The well-prepared high-school teacher must have an intimate knowledge of the subject matter in the field or fields in which he intends to teach, in addition to the actual possession of those professional skills and techniques essential to success in the classroom.

A knowledge of the subject matter in the field or fields in which the student intends to teach is acquired while he is meeting the requirements for the several degrees offered. The necessary professional techniques and background are developed through the inclusion of certain basic courses in educational theory and practice offered by the Department of Education. Courses in education permit a desirable specialization in the program of the arts, science or philosophy degree student who plans to teach. These courses also provide the basic prerequisites to graduate work for the Master of Education degree in most universities.

**Basic Courses in Education.** Ed 31, 32, 101, 102 and 103 are required of all students who plan to teach at the high-school level, or to present education as a field of specialization in fulfillment of degree requirements, or to take graduate work in education.

**Additional Courses in Education.** In addition to the basic courses in education required of all undergraduates specializing in this field, additional courses must be elected by the individual student from the offerings of the department to strengthen this specialty to the extent necessary for meeting degree requirements or state certification requirements in the state where he expects to teach. Completion of the basic courses in education as outlined above, if five hours of credit are presented in practice teaching, will satisfy the minimum requirements of the Ohio State Department of Education for the provisional high-school certificate. An additional course in education, however, is necessary to satisfy degree requirements for a minor.

**Consultation Necessary.** Careful program planning by the student who intends to apply for a state certificate to teach in high school is essential in order that specific academic and professional requirements of the particular state may be fully satisfied. For this reason the student is encouraged to consult the Chairman of the Department of Education early in his college work to secure guidance in outlining a curriculum which will meet degree and certification requirements.

The student desirous of meeting professional requirements of another state should obtain an official statement of specific requirements from the State Department of Education of his respective state before consulting the chairman of the department.

#### **Ordinary Distribution of Professional Courses:**

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ed 31.....	3	Ed 32.....	3
Ed 101.....	3	Ed 102.....	3
Ed 103 or elective.....	3-5	Ed 103 or elective.....	3-5
Elective.....	2-3	Elective.....	2-3

**Note:** Electives should be used to build the third teaching field required by the Ohio State Department of Education.

The entire outline (p. 100) is effective for all students registering for the first time in September, 1949, or thereafter.

## Approved Curricula

The following outlines are intended as guides to the preparation of individual student programs of study.

Departmental advisers and students are urged to check all student programs *in detail* for:

1. Correct course levels — *lower division* or *upper division*  
(*Upper division courses may not be taken before the completion of lower division courses.*)
2. Correct catalogue numbers of courses  
(*Incorrect numbering will entail difficulty after registration.*)
3. Correct number of semester hours of credit yielded by each course
4. The maximum number of semester hours of credit permitted per semester at the respective class level — freshman, sophomore, junior or senior.

*In exceptional cases, special permission to take an additional course may be granted only at the discretion of the dean.*

For the convenience of all offices concerned, alphabetical listing of catalogue numbers should be consistently followed.

## Honors A.B.

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Lt 22.....	4	Lt 28.....	4
*En 3.....	3	*En 4.....	3
Mt 11a.....	3	Mt 11b.....	3
*Fr 1 or Gk 1.....	3	*Fr 2 or Gk 17.....	3
Gk 17 or Gk 2.....	3	*Pl 34.....	3
*Th 5 or 3.....	2	*Th 31 or 4.....	2
*MS 1.....	2	*MS 2.....	2
Total.....	20	Total.....	20

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Lt 51.....	3	Lt 18.....	3
*En 31.....	3	*En 32.....	3
Mt 155a.....	3	Mt 155b.....	3
Gk 21.....	3	Gk 60.....	3
*Bl 3.....	4	*Bl 4.....	4
*Th 10.....	2	*Th 30 or 32.....	2
*MS 31.....	2	*MS 32.....	2
Total.....	20	Total.....	20

### Junior Year

<i>First Semester,</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Lt 191.....	3	Lt 112.....	3
*Ps 31.....	3	Gk 141.....	3
Gk 172.....	3	*Pl 131.....	3
*Hs 7.....	3	*Hs 8.....	3
*Ch 3.....	5	*Ch 4.....	5
*Pl 105.....	3	*En 150.....	3
Total.....	20	Total.....	20

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Pl 198a.....	5	Pl 198b.....	5
Lt 142.....	3	*Pl 182.....	2
Gk 151.....	3	Lt 199.....	3
*Hs 141.....	3	*Hs 142.....	3
*En elective.....	3	Gk 108.....	3
Elective.....	3	Elective.....	4
Total.....	20	Total.....	20

\*Special sections for Honors A.B. students only.



## A.B.

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3 .....	3	En 4 .....	3
Hs 7 .....	3	Hs 8 .....	3
Lt 11 .....	3	Lt 22 .....	3
M. Lang. 1 or 31 or Gk. ....	3	M. Lang. 2 or 32 or Gk. ....	3
MS 1 or Mt or science. ....	2, 3, 4	MS 2 or Mt or science. ....	2, 3, 4
Th 5 or 3 .....	2	Th 31 or 4 .....	2
<hr/>		<hr/>	
Total .....	16-17-18	Total .....	16-17-18

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31 .....	3	En 32 .....	3
Lt 28 .....	3	Lt 32 .....	3
*M. Lang. 31 .....	3	*M. Lang. 32 .....	3
MS 31 .....	2	MS 32 .....	2
Ps 31 .....	3	Pl 34 .....	3
Th 10 .....	2	Th 30 or 32 .....	2
<hr/>		<hr/>	
Total .....	16	Total .....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC .....	2	CC .....	2
Major .....	6	Major .....	6
Minor .....	3	Minor .....	3
Mt or science or elective. ....	3-4	Mt or science or elective. ....	3-4
Pl 100 .....	3	Pl 111 .....	3
<hr/>		<hr/>	
Total .....	17-18	Total .....	17-18

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Elective .....	3	Elective .....	3
Major .....	3	Ex 1 .....	2
Minor .....	3	Major .....	3
Pl 131 .....	3	Minor .....	3
So 125 .....	2	Pl 105 .....	3
C. Review .....	2	Pl 132 (CC) .....	2
<hr/>		<hr/>	
Total .....	16	Total .....	16

\*If not previously taken, substitute mathematics or science.

## B.S. in B.A.

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ac 51.....	3	Ac 52.....	3
En 3.....	3	En 4.....	3
M. Lang. 1 or 31.....	3	M. Lang. 2 or 32.....	3
MS 1 or Hs 7.....	2-3	MS 2 or Hs 8.....	2-3
Mt 1.....	3	Mt 2.....	3
Th 5 or 3.....	2	Th 31 or 4.....	2
<hr/>		<hr/>	
Total.....	16-17	Total.....	16-17

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ac 151.....	3	Ac 152.....	3
Ec 33.....	3	Ec. 34.....	3
M. Lang. 31.....	3	M. Lang. 32.....	3
MS 31.....	2	MS 32.....	2
Ps 31.....	3	Pl 34.....	3
Th 10.....	2	Th 30 or 32.....	2
<hr/>		<hr/>	
Total.....	16	Total.....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ac.....	3	Ac.....	3
CC.....	2	Ec 162.....	3
Ec 151.....	3	Ec elective.....	3
Ec 161.....	3	Pl 111.....	3
Pl 100.....	3	Science.....	4
Science.....	4	So 195.....	2
<hr/>		<hr/>	
Total.....	18	Total.....	18

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ac or Ec.....	3	Ac or Ec.....	3
Ec 123.....	3	CC.....	2
En 31.....	3	Ec 188.....	3
Pl 131.....	3	En 32.....	3
So 125.....	2	Ex 1.....	2
C. Review.....	2	Pl 105.....	3
<hr/>		<hr/>	
Total.....	16	Total.....	18

N.B. Add Hs 7-8 if not previously taken.

# B.S. (Chem.)

## Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 3.....	5	Ex 1.....	2
Gr 31 or En 3.....	3	Ch 4.....	5
MS 1.....	2	Gr 32 or En 4.....	3
Mt 3.....	3	MS 2.....	2
Mt 4.....	3	Mt 6.....	3
Th 5 or 8.....	2	Th 31 or 4.....	2
Total.....	18	Total.....	17

## Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 51.....	4	Ch 116.....	4
Gr 1 or En 3.....	3	Gr 2 or En 4.....	3
MS 31 or En 31.....	2-3	MS 32 or En 32.....	2-3
Mt 151.....	3	Mt 152.....	3
Ph 3.....	4	Ph 4.....	4
Th 10 or En 31.....	2-3	Th 30 or 32 or En 32.....	2-3
Total.....	18-19-20	Total.....	18-19-20

## Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Ch 101.....	5	Ch 102.....	5
En 31.....	3	En 32.....	3
Gr 31 or elective.....	3	Gr 32 or elective.....	3
Mt 154.....	3	Pl 100.....	3
Pl 34.....	3	Ps 31.....	3
Total.....	19	Total.....	19

## Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 125.....	4	Ch 126.....	4
Ch 152.....	2	Ch 106.....	3
Ch 107.....	3	Hs 8.....	3
Hs 7.....	3	Pl 111.....	3
Pl 105.....	3	Pl 132 (CC).....	2
Pl 131.....	3	Thesis.....	2
So 125.....	2		
Total.....	20	Total.....	18

## B.S. (Economics)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3 .....	3	En 4 .....	3
Hs 7 .....	3	Hs 8 .....	3
M. Lang. 31 or 1 .....	3	M. Lang. 32 or 2 .....	3
*MS 1 .....	2	*MS 2 .....	2
Th 5 or 3 .....	2	Th 31 or 4 .....	2
Science .....	4	Science .....	4
<hr/>		<hr/>	
Total .....	17	Total .....	17

\*If not taken, substitute mathematics.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ec 33 .....	3	Ec 34 .....	3
En 31 .....	3	En 32 .....	3
M. Lang. 31 or Mt 1 or 3 .....	3	M. Lang. 32 or Mt 2 or 4 .....	3
MS 31 .....	2	MS 32 .....	2
Ps 31 .....	3	Pl 34 .....	3
Th 10 .....	2	Th 30 or 32 .....	2
<hr/>		<hr/>	
Total .....	16	Total .....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC .....	2	CC .....	2
Ec 103 .....	3	Ec 188 .....	3
Ec 123 .....	3	Major .....	3
Minor .....	3	Minor .....	3
Mt 1 or 3 or elective .....	3	Mt 2 or 4 or elective .....	3
Pl 100 .....	3	Pl 111 .....	3
<hr/>		<hr/>	
Total .....	17	Total .....	17

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC .....	2	CC (Pl 132) .....	2
Ec 151 or elective .....	3	Electives .....	6
Major .....	3	Ex 1 .....	2
Minor .....	3	Minor .....	3
Pl 131 .....	3	Pl 105 .....	3
C. Review .....	2	<hr/>	
Total .....	16	Total .....	16

## B.S. (English)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3.....	3	En 4.....	3
Hs 7.....	3	Hs 8.....	3
M. Lang. 31 or 1.....	3	M. Lang. 32 or 2.....	3
*MS 1.....	2	*MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
Science.....	4	Science.....	4
<hr/>		<hr/>	
Total.....	17	Total.....	17

\*If not taken, substitute mathematics.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 81.....	3	En 82.....	3
Mt 8.....	3	Mt 4.....	3
M. Lang. 81 or elective.....	3	M. Lang. 82 or elective.....	3
MS 81.....	2	MS 32.....	2
Ps 31.....	3	Pl 34.....	3
Th 10.....	2	Th 80 or 32.....	2
<hr/>		<hr/>	
Total.....	16	Total.....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Elective.....	3	Elective.....	3
En 141.....	3	En 111.....	3
En 150.....	3	En 180.....	3
Minor.....	3	Minor.....	3
Pl 100.....	3	Pl 111.....	3
<hr/>		<hr/>	
Total.....	17	Total.....	17

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC (Pl 132).....	2
Major elective.....	3	Major elective.....	3
Elective.....	3	Elective.....	3
Ex 1.....	2	Minor.....	3
Minor.....	3	Pl 105.....	3
Pl 181.....	3	C. Review.....	2
<hr/>		<hr/>	
Total.....	16	Total.....	16

## B.S. (History)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3.....	3	En 4.....	3
Hs 7.....	3	Hs 8.....	3
M. Lang. 31 or 1.....	3	M. Lang. 32 or 2.....	3
*MS 1.....	2	*MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
Science.....	4	Science.....	4
<hr/>		<hr/>	
Total.....	17	Total.....	17

\*If not taken, substitute mathematics.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31.....	3	En 32.....	3
Mt 3.....	3	Mt. 4.....	3
M. Lang. 31 or major.....	3	M. Lang. 32 or major.....	3
MS 31.....	2	MS 32.....	2
Ps 31.....	3	Pl 34.....	3
Th 10.....	2	Th 30 or 32.....	2
<hr/>		<hr/>	
Total.....	16	Total.....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Elective.....	3	Elective.....	3
Major.....	6	Major.....	6
Minor.....	3	Minor.....	3
Pl 100.....	3	Pl 111.....	3
<hr/>		<hr/>	
Total.....	17	Total.....	17

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC (Pl 182).....	2
Hs 194.....	3	Major.....	6
Major.....	3	Minor.....	3
Minor.....	3	Pl 105.....	3
Pl 131.....	3	C. Review.....	2
Ex 1.....	2	<hr/>	
<hr/>		Total.....	16
Total.....	16	Total.....	16

## B.S. (Math-Physics)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 3.....	5	Ch 4.....	5
En 3.....	3	En 4.....	3
Mt 3.....	3	Mt 6.....	3
Mt 4.....	3	Pl 34.....	3
MS 1.....	2	MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
<b>Total.....</b>	<b>18</b>	<b>Total.....</b>	<b>18</b>

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31.....	3	En 32.....	3
Gr 1 or 81.....	3	Gr 2 or 82.....	3
Mt 151.....	3	Mt 152.....	3
MS 31.....	2	MS 32.....	2
Ph 13.....	5	Ph 14.....	5
Th 10.....	2	Th 30 or 32.....	2
<b>Total.....</b>	<b>18</b>	<b>Total.....</b>	<b>18</b>

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Ex 1.....	2	Gr 32 or elective.....	3
Gr 31 or Pl 100.....	3	Mt 154.....	3
Mt 142.....	3	Ph 112 or 163.....	3
Ph 111 or 151.....	3	Ph 142 or Hs 8.....	3
Ph 121 or Hs 7.....	3	Pl 111.....	3
Ps 31.....	3		
<b>Total.....</b>	<b>19</b>	<b>Total.....</b>	<b>17</b>

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	Hs 8 or Mt elective.....	3
Hs 7 or Ph 121.....	3	Mt 124.....	3
Mt 153a.....	3	Mt 199.....	2
Ph 151 or 111.....	3	Ph 163 or 112.....	3
Pl 100 or elective.....	3	Pl 105.....	3
Pl 131.....	3	Pl 132 (CC).....	2
<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>16</b>

## B.S. (Modern Languages)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3 .....	3	En 4 .....	3
Hs 7 .....	3	Hs 8 .....	3
M. Lang. 31 or 1 .....	3	M. Lang. 32 or 2 .....	3
*MS 1 .....	2	*MS 2 .....	2
Th 5 or 3 .....	2	Th 31 or 4 .....	2
Science .....	4	Science .....	4
<hr/>		<hr/>	
Total .....	17	Total .....	17

\*If not taken, substitute mathematics.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31 .....	3	En 32 .....	3
Mt 3 .....	3	Mt 4 .....	3
M. Lang. 31 or major .....	3	M. Lang. 32 or major .....	3
MS 31 .....	2	MS 32 .....	2
Ps 31 .....	3	Pl 34 .....	3
Th 10 .....	2	Th 30 or 32 .....	2
<hr/>		<hr/>	
Total .....	16	Total .....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC .....	2	CC .....	2
Elective .....	3	Major .....	6
Major .....	6	Minor .....	3
Minor .....	3	Pl 111 .....	3
Pl 100 .....	3	Elective .....	2-3
<hr/>		<hr/>	
Total .....	17	Total .....	16-17

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC .....	2	CC (Pl 132) .....	2
Elective .....	3	Ex 1 .....	2
Major .....	3	Major .....	3
Minor .....	3	Minor .....	3
Pl 131 .....	3	Pl 105 .....	3
C. Review .....	2	Elective .....	2-3
<hr/>		<hr/>	
Total .....	16	Total .....	15-16



## B.S. (Philosophy)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3.....	3	En 4.....	3
Hs 7.....	3	Hs 8.....	3
M. Lang. 31 or 1.....	3	M. Lang. 32 or 2.....	3
*MS 1.....	2	*MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
Science.....	4	Science.....	4
<hr/>		<hr/>	
Total.....	17	Total.....	17

\*If not taken, substitute mathematics.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31.....	3	En 32.....	3
M. Lang. 31.....	3	Mt 3.....	3
MS 31.....	2	M. Lang. 32.....	3
Pl 34.....	3	MS 32.....	2
Ps 31.....	3	Pl 100.....	3
Th 10.....	2	Th 80 or 32.....	2
<hr/>		<hr/>	
Total.....	16	Total.....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Mt 4.....	3	Minors.....	6
Minors.....	6	Pl 106.....	2
Pl 105.....	3	Pl 131.....	3
Pl 111.....	3	Pl 133 or 140 or 141.....	3
<hr/>		<hr/>	
Total.....	17	Total.....	16

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	Electives.....	6
Elective.....	3	Minors.....	6
Minors.....	6	Ex 1.....	2
Pl 133 or 140 or 141.....	3	Pl 132 (CC).....	2
C. Review.....	2	<hr/>	
<hr/>		Total.....	16
Total.....	16	Total.....	16

## B.S. (Physics)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 3.....	5	Ch 4.....	5
En 3.....	3	En 4.....	3
Mt 3.....	3	Mt 6.....	3
Mt 4.....	3	Pl 34.....	3
MS 1.....	2	MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
<hr/>		<hr/>	
Total.....	18	Total.....	18

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31.....	3	En 32.....	3
Gr 1 or 31.....	3	Gr 2 or 32.....	3
Mt 151.....	3	Mt 152.....	3
MS 31.....	2	MS 32.....	2
Ph 13.....	5	Ph 14.....	5
Th 10.....	2	Th 30 or 32.....	2
<hr/>		<hr/>	
Total.....	18	Total.....	18

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Ex 1.....	2	Gr 32 or elective.....	3
Gr 31 or elective.....	3	Mt 153a.....	3
Mt 154.....	3	Ph 112 or 163.....	3
Ph 111 or 151.....	3	Ph 142 or Hs 8.....	3
Ph 121 or Hs 7.....	3	Pl 111.....	3
Ps 31.....	3	<hr/>	
Total.....	19	Total.....	17

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	Hs 8 or Ph 142.....	3
Hs 7 or Ph 121.....	3	Ph 131 or 162 or 180.....	3
Ph elective.....	3	Ph 163 or 112.....	3
Ph 151 or 111.....	3	Ph 199.....	2
Pl 100.....	3	Pl 105.....	3
Pl 131.....	3	Pl 132 (CC).....	2
<hr/>		<hr/>	
Total.....	17	Total.....	16

## B.S. (Phys. Ed.)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
B. 9*	3	Bl 10*	3
En 3	3	En 4	3
Hs 7	3	Hs 8	3
M. Lang. 1 or 31	3	M. Lang. 2 or 32	3
MS 1	2	Ex 1	2
Th 5 or 3	2	MS 2	2
		Th 31 or 4	2
Total	16	Total	18

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ps 31*	3	Pl 34*	3
Ed 31	3	Ed 32	3
Ed 63	2	Ed 64	2
En 31	3	En 32	3
MS 31	2	MS 32	2
M. Lang. 31	3	M. Lang. 32	3
Th 10	2	Th 30 or 32	2
Total	18	Total	18

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC	2	CC	2
Ed 101	3	Ed 102	3
Ed 167	2	Ed 168	2
Ed 165	2	Ed 166	2
Minor	3	Minor	3
Pl 100	3	Pl 111	3
Elective**	3	Elective**	3
Total	18	Total	18

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Minor	3	Minor	3
Ed 161	3	Ed 162	3
Pl 131	3	Pl 105	3
So 125 (CC)	2	Pl 132 (CC)	2
Ed 103 or C. Review	5-2	C. Review or Ed 103	2
Elective**	3	Elective**	3-5
Total	19-16	Total	16-18

\* and \*\* See notes, pp. 83, 87.

## B.S. (Political Science)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3.....	3	En 4.....	3
Hs 7.....	3	Hs 8.....	3
M. Lang. 31 or 1.....	3	M. Lang. 32 or 2.....	3
*MS 1.....	2	*MS 2.....	2
Th 3 or 5.....	2	Th 31 or 4.....	2
Science.....	4	Science.....	4
<hr/>		<hr/>	
Total.....	17	Total.....	17

\*If not taken, substitute mathematics.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31.....	3	En 32.....	3
M. Lang. 31 or Mt 3.....	3	M. Lang. 32 or Mt 4.....	3
MS 31.....	2	MS 32.....	2
Po 1.....	3	Po 2.....	3
Ps 31.....	3	Pl 34.....	3
Th 10.....	2	Th 30 or 32.....	2
<hr/>		<hr/>	
Total.....	16	Total.....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Major.....	6	Major.....	6
Mt 3 or elective.....	3	Mt 4 or elective.....	3
Minor.....	3	Minor.....	3
Pl 100.....	3	Pl 111.....	3
<hr/>		<hr/>	
Total.....	17	Total.....	17

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC (Pl 132).....	2
Ex 1.....	2	Electives.....	6
Major.....	6	Minor.....	3
Minor.....	3	Pl 105.....	3
Pl 131.....	3	C. Review.....	2
<hr/>		<hr/>	
Total.....	16	Total.....	16

## B.S. (Pre-Med.)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 3.....	5	Ch 4.....	5
Gr 31 or En 3.....	3	Gr 32 or En 4.....	3
MS 1.....	2	MS 2.....	2
Mt 3.....	3	Mt 4.....	3
Ps 31.....	3	Pl 34.....	3
Th 5 or 3.....	2	Th 31 or 4.....	2
<b>Total.....</b>	<b>18</b>	<b>Total.....</b>	<b>18</b>

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Bl 3.....	4	Bl 4.....	4
Ch 51.....	4	Ch 116.....	4
Gr 1 or En 3.....	3	Gr 2 or En 4.....	3
MS 31.....	2	MS 32.....	2
Ph 3.....	4	Ph 4.....	4
Th 10.....	2	Th 30 or 32.....	2
<b>Total.....</b>	<b>19</b>	<b>Total.....</b>	<b>19</b>

N.B. It is recommended that one of the science courses scheduled in the sophomore year be taken during the preceding summer.

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Bl 101.....	4	Bl 112.....	4
CC.....	2	Ch 102.....	5
Ch 101.....	5	Bl elective.....	2
Ex 1.....	2	Gr 32 or elective.....	3
Gr 31 or elective.....	3	Pl 111.....	3
Pl 100.....	3	So 150.....	2
<b>Total.....</b>	<b>19</b>	<b>Total.....</b>	<b>19</b>

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Bl 141.....	4	Bl 132.....	2
En 81.....	3	Bl 191.....	2
Hs 7.....	3	Ch elective or Bl elective.....	4
Pl 105.....	3	En 32.....	3
Pl 131.....	3	Hs 8.....	3
So 125.....	2	Pl 132 (CC).....	2
		Thesis.....	2
<b>Total.....</b>	<b>18</b>	<b>Total.....</b>	<b>18</b>

N.B. Although minimum requirements for some schools of medicine are met in the first three years of the pre-med programs, students are urged to obtain their degrees before applying for admission to professional schools.

## B.S. (Psychology)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3.....	3	En 4.....	3
Hs 7.....	3	Hs 8.....	3
M. Lang. 31 or Mt 3.....	3	M. Lang. 32 or Mt 4.....	3
*MS 1.....	2	*MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
Science.....	4	Science.....	4
Total.....	17	Total.....	17

\*If not taken, substitute mathematics.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
M. Lang. 1.....	3	M. Lang. 2.....	3
MS 31.....	2	MS 32.....	2
Mt or En 31.....	3	Mt or En 32.....	3
Ps 31.....	3	Pl 100.....	3
Th 10.....	2	Ps 32.....	3
Pl 34.....	3	Th 30 or 32.....	2
Total.....	16	Total.....	16

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	CC.....	2
Minor.....	3	Minor.....	3
M. Lang. or elective.....	3	M. Lang. or elective.....	3
Pl 111.....	3	Pl 131.....	3
Ps 101.....	3	Ps 102.....	3
Ps 134.....	2	Ps 135.....	2
Ps 136.....	2	Ps 142.....	2
Total.....	18	Total.....	18

### Senior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
CC.....	2	Elective.....	4
Elective.....	5	Ex 1.....	2
Minor.....	3	Minor.....	3
Pl 132 (CC).....	2	Pl 105.....	3
Ps 105.....	2	Ps 151.....	2
Sr. thesis.....	2	Ps 106.....	2
Total.....	16	Total.....	16

## Pre-Dent (Two-Year Course)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Bl 3.....	4	Bl 4.....	4
Ch 3.....	5	Ch 4.....	5
En 3.....	3	En 4.....	3
Mt 3.....	3	Mt 4.....	3
MS 1.....	2	MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
	<hr/>		<hr/>
Total.....	19	Total.....	19

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Bl 101.....	4	Ch 102.....	5
Ch 101.....	5	En 31 or 32.....	3
Hs 7.....	3	Hs 8.....	3
MS 31.....	2	MS 32.....	2
Ph 3.....	4	Ph 4.....	4
Th 10.....	2	Th 30 or 32.....	2
	<hr/>		<hr/>
Total.....	20	Total.....	19

N.B. It is recommended that one of the sciences scheduled in the sophomore year be taken during the preceding summer.

# Pre-Dent (Three-Year Course)\*

## Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Bl 3.....	4	Bl 4.....	4
Ch 3.....	5	Ch 4.....	5
En 3.....	3	En 4.....	3
MS 1.....	2	MS 2.....	2
Mt 3.....	3	Mt 4.....	3
Th 5 or 3.....	2	Th 31 or 4.....	2
Total.....	19	Total.....	19

## Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 51.....	4	Ch 121.....	4
Hs 7.....	3	Hs 8.....	3
MS 31.....	2	MS 32.....	2
Ph 3.....	4	Ph 4.....	4
Ps 31.....	3	Pl 34.....	3
Th 10.....	2	Th 30 or 32.....	2
Total.....	18	Total.....	18

## Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Bl 101.....	4	Bl 132.....	2
CC.....	2	Ch 102.....	5
Ch 101.....	5	Elective**.....	2-3
Elective**.....	2-3	En 32.....	3
En 31.....	3	Ex 1.....	2
Pl 100.....	3	Pl 131.....	3
		So 150.....	2
Total.....	19-20	Total.....	19-20

\*Intended for students who wish or who need a more extensive background for professional study in dentistry.

\*\*Six credit hours to be devoted to biology for biology majors.



## Pre-Eng (Two-Year Course)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ch 3.....	5	Ch 4.....	5
En 3.....	3	En 4.....	3
MS 1.....	2	MS 2.....	2
Mt 3.....	3	Mt 6.....	3
Mt 4.....	3	Mt D 2.....	3
Mt D 1.....	2	Th 31 or 4.....	2
Th 5 or 3.....	2		
<hr/>		<hr/>	
Total.....	20	Total.....	18

N.B. If MS is not taken, substitute Pl 34 in the second semester.

### Sophomore Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 31.....	3	En 32.....	3
MS 31 or Pl 100.....	2-3	MS 32.....	2
Mt 151.....	3	Mt D 4.....	3
Ph 3.....	5	Mt 152.....	3
Pl 34.....	3	Ph 4.....	5
Th 10.....	2	Ps 31.....	3
		Th 30 or 32.....	2
<hr/>		<hr/>	
Total.....	18-19	Total.....	21

## Pre-Legal (Three-Year Course)

### Freshman Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
En 3.....	3	En 4.....	3
Hs 7.....	3	Hs 8.....	3
M. Lang. 31 or Lt 11 or Mt 3..	3	M. Lang. 32 or Lt 12 or Mt 4..	3
*MS 1.....	2	*MS 2.....	2
Th 5 or 3.....	2	Th 31 or 4.....	2
Science.....	4	Science.....	4
<hr/>		<hr/>	
Total.....	17	Total.....	17

\*If not taken, substitute foreign language, mathematics or Latin.

### Sophomore Year

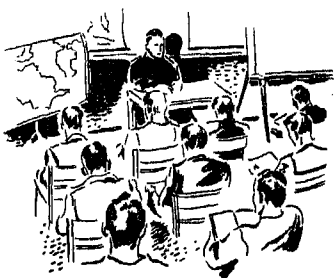
<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ec 33.....	3	Ec 34.....	3
En 31.....	3	En 32.....	3
Hs 141.....	3	Hs 142.....	3
M. Lang. 1 or Mt 3.....	3	M. Lang. 2 or Mt 4.....	3
MS 31.....	2	MS 32.....	2
Ps 31.....	3	Pl 34.....	3
Th 10.....	2	Th 30 or 32.....	2
<hr/>		<hr/>	
Total.....	19	Total.....	19

### Junior Year

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ac 51.....	3	Ac 52.....	3
Elective.....	3	Elective.....	3
Hs 135.....	3	Hs 148.....	3
M. Lang. 31 or elective.....	3	M. Lang. 32 or elective.....	3
Pl 100.....	3	Pl 111.....	3
Pl 131.....	3	Pl 132 (CC).....	2
<hr/>		<hr/>	
Total.....	18	Total.....	17

## Departments of Instruction

The courses of instruction are numbered in accord with a unified plan. *Lower division* courses are numbered 1 to 99. Within the *lower division* the numbers 30 to 99 generally indicate that the course is open to sophomores. *Upper division* courses are numbered from 100 to 199. Double numbers indicate that the first semester



course is-prerequisite to the second semester course *and that both must be satisfactorily completed to obtain credit for either course.* Any exceptions will be stated in course descriptions. In most departments the courses are grouped in decades according to sequence, content, or some other plan of sub-division. *In computing minimum requirements for a major, the 199 course may not be counted.*

### Key Symbols

The following key letters are used to indicate the different departments of instruction:

Accounting.....Ac	Latin.....Lt
Biology.....Bl	Mathematics.....Mt
Chemistry.....Ch	Military Science.....MS
Economics.....Ec	Philosophy.....Pl
Education.....Ed	Physics.....Ph
English.....En	Political Science.....Po
French.....Fr	Psychology.....Ps
Geography.....Gg	Sociology.....So
German.....Gr	Spanish.....Sp
Greek.....Gk	Speech Arts.....Ex
History.....Hs	Theology.....Th

### Accounting (Ac)

*Staff:* MR. G. SELZER, *chairman:* MR. BEHLER, MR. BURKHART, MR. EVERSMAHNN, MR. FINUCAN, MR. OVERBECK, MR. SCHLEGEL, MR. L. SELZER, MR. TILTON, MR. WALKER, DR. WENNER, MRS WERNER, MR. WESSENDARP.

These courses in accounting are designed to provide intensive training of comprehensive nature for the adequate preparation of

public, private or industrial accountants, auditors, credit analysts or general business executives thoroughly familiar with the latest and most satisfactory methods.

A fundamental knowledge of accounting, essentially valuable in business or in a professional capacity, is the goal of the elementary courses.

The advanced courses which elaborate on the theory and practice of accounts, business analysis, costs, auditing and specialized accounting culminate in preparation for C.P.A. examinations and for actual entrance into the field of public accountancy.

Accounting may be chosen either as a field of major or minor specialization.

Departmental requirements for a major include:

1. The completion of Ac 51 and 52 as an introduction to *upper division* work.
2. The completion of Ac 151, 152, 155, 156, 157 and 163.
3. Senior comprehensive review, Ac 199.

Departmental requirements for a minor include:

1. The completion of Ac 51 and 52 as an introduction to *upper division* work.
2. The completion of Ac 151, 152, 155 and *either* Ac 157 or Ac 163.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

1. **BOOKKEEPING.** A basic course in the principles of bookkeeping intended to familiarize the student with the techniques and principles of double-entry bookkeeping. A non-credit course. Given at the Evening College.
50. **INTRODUCTORY ACCOUNTING.** Three credit hours. A course similar to Ac 51, but especially designed for students deficient in the fundamental theory and practice of bookkeeping. Given at the Evening College.
51. **PRINCIPLES OF ACCOUNTING.** Three credit hours. A study of general accounting as applied to modern record-keeping for single proprietorships, partnerships, and corporations, supplemented with practical problems and practice sets providing actual experience with general and special journals and ledgers; the preparation of adjusting and closing entries; trial balances; work sheets, balance sheets and profit and loss statements.

52. **PRINCIPLES OF ACCOUNTING.** Three credit hours. Practical application of the voucher system, controlling accounts, departmental accounts, use of charts of accounts; study of authorization and issuance of capital stocks and bonds; computations of premiums and discounts; distribution of profits; determination of fire loss; manufacturing costs and preparation of manufacturing cost statements; budgets; analyses and interpretation of financial statements; consolidated statements. Prerequisite: Ac 51.

*Upper Division Courses*

151. **INTERMEDIATE ACCOUNTING.** Three credit hours. A thorough course in theory and problems in which various methods of solving practical accounting problems are presented. The course supplies a broad background of accounting theory that will enable the student to recognize accepted difference in accounting methods and to develop individual concepts in matters of accounting principles. Knowledge of working paper layout is a primary requisite; problems offered are a challenge to the student's ability to reason, observe, and to make proper decisions on the basis of known facts. Prerequisite: Ac 52.
152. **INTERMEDIATE ACCOUNTING.** Three credit hours. A further development of the practical aspects of accounting, illustrating accepted methods of valuation and depreciation; preparation of comparative reports and statement analyses. An explanation of the reasons for various accounting reports co-ordinated with problems that stimulate the interest of students in research and extra-curricular study in accounting and related subjects. Prerequisite: Ac 151.
153. **ADVANCED ACCOUNTING PROBLEMS.** Three credit hours. Advanced phases of partnership accounting; organization; dissolution; incorporation of a partnership; division of profit or loss; accounting for insurance; insolvency; home office and venture accounts. Prerequisite: Ac 152.
154. **ADVANCED ACCOUNTING PROBLEMS.** Three credit hours. A continuation of Ac 153 with emphasis on parent company and subsidiary accounting. Practical problems. Prerequisite: Ac 153.
155. **INDUSTRIAL ACCOUNTING.** Three credit hours. A study in the control and cost of materials, labor and other elements involved in industrial production with special emphasis on cost systems and reports — their nature and applica-

tion — made practical through a job-order cost practice set.  
Prerequisite: Ac 152.

- 156. INDUSTRIAL ACCOUNTING. Three credit hours. An advanced course in special phases of costs — process, joint, by-product, standard, distribution and managerial reports — made practical through practice sets. Prerequisite: Ac 155.
- 157. TAXATION. Three credit hours. An intensive study of tax laws and regulations in relation to their underlying principles. The student is further acquainted with the federal income tax, social security, franchise, property, sales and other important state taxes. Tax problems. Prerequisite: Ac 52.
- 158. TAXATION. Three credit hours. A continuation of Ac 157.
- 160. SURVEY OF ACCOUNTING SYSTEMS. Two credit hours. Open to seniors or by permission of instructor. Prerequisite: Ac 152.
- 161. MANAGERIAL ACCOUNTING. Two or three credit hours. Sources of data and statistics are studied with reference to the forecasting and preparation of business budgets.
- 162. ANALYSIS OF FINANCIAL STATEMENTS. Three credit hours.
- 163. AUDITING PRINCIPLES. Three credit hours. A study of fundamental principles of auditing; procedure in the analysis and verification of accounts; preparation of working papers and compilation of reports. Prerequisite: Ac 155.
- 164. AUDITING PRINCIPLES. Two or three credit hours. Advanced study of problems of procedure through comprehensive practice materials based on an actual audit and supplemented by further study of the content, design and use of the accountant's working papers and reports. Prerequisite: Ac 163.
- 165, 166. C.P.A. REVIEW. Six credit hours. Two semesters. Given at the Evening College.
- 199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in accounting.

## Biology (BI)

*Staff:* FR. PETERS, *chairman:* MR. KLEINHANS, MR. TAFURI.

This department aims to assist in the liberal education of the student and to contribute to his cultural background. Lectures and

laboratory studies are intended to give him a knowledge of basic biological principles as well as a training in careful, thoughtful, and independent observation, experimentation, and scientific analysis of data. The courses also provide an adequate biological foundation for subsequent professional studies in medicine, dentistry, and allied fields.

Bl 1 and 2 cannot be taken for pre-medical or pre-dental requirements.

Bl 3 and 4 are required as an introduction to all upper division courses. In exceptional cases, Bl 1 may be considered as partial requisite fulfillment.

A major consists of 8 credit hours of lower division work; 22 credit hours of upper division work inclusive of Bl 101 and 112, and a senior thesis, Bl 199.

A minor consists of 8 credit hours of lower division work and 16 credit hours of upper division work inclusive of Bl 101 and 112.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

1. GENERAL BIOLOGY, I. Four credit hours. A study of the fundamental principles of biological science emphasizing the morphology, physiology, life history and economic importance of representative plants and invertebrate animals. Two lectures and four hours of laboratory.
2. GENERAL BIOLOGY, II. Four credit hours. A study of the morphology and physiology of organs and systems in a typical vertebrate, with special reference to the biology of man, and a summary of genetics and embryology. Two lectures and four hours of laboratory.
3. GENERAL ZOOLOGY. Four credit hours. An introduction to the basic principles of biology and a systematic survey of the morphology, physiology, classification, life history, development, and interrelationship of the representative animals of the invertebrate phyla. Two lectures and four hours of laboratory.
4. GENERAL ZOOLOGY. Four credit hours. A continuation of Bl 3, with the animals of the chordate phylum as objects of study. Two lectures and four hours of laboratory.
5. GENERAL BOTANY. Four credit hours. A study of the morphology, physiology, classification and life cycles of representatives of the major divisions of the plant kingdom. Seed plants are stressed. Two lectures and four hours of laboratory.

6. BIOLOGY SURVEY. Two credit hours. Cultural interpretations of the biological sciences. Given at Milford College.
9. HUMAN ANATOMY AND PHYSIOLOGY. Three credit hours. A study of the organs and systems of man with emphasis on myology and the physiology of exercise. This course is for students majoring in physical education. Two lectures and two hours of laboratory.
10. HUMAN ANATOMY AND PHYSIOLOGY. Three credit hours. A continuation of Bl 9. Two lectures and two hours of laboratory. Prerequisite: Bl 9.

*Upper Division Courses*

101. COMPARATIVE ANATOMY OF THE VERTEBRATES. Four credit hours. A study of the comparative morphology of the organs systems of chordates. Two lectures and four hours of laboratory.
104. INTRODUCTION TO ENTOMOLOGY. Two credit hours. An elementary study of the biology of selected types of insects. One lecture and two hours of laboratory.
112. GENERAL AND VERTEBRATE EMBRYOLOGY. Four credit hours. A study of the development of vertebrates, including gametogenesis, fertilization, and early embryology. Organogenesis, of the chick and pig is emphasized in the laboratory. Two lectures and four hours of laboratory.
115. ADVANCED EMBRYOLOGY. Four credit hours. A continuation of Bl 112. Two lectures and four hours of laboratory. (Not offered, 1951-1952.)
121. INTRODUCTION TO BACTERIOLOGY. Two credit hours. An elementary study of the biology of bacteria together with exercises designed to acquaint the student with fundamental techniques used in the study of bacteriology. One lecture and two hours of laboratory.
122. GENERAL BACTERIOLOGY. Four credit hours. A study of the morphology and physiology of bacteria and related groups, together with laboratory exercises in applied microbiology. Two lectures and four hours of laboratory.
132. MICROSCOPIC TECHNIQUE. Two credit hours. An introduction to the basic techniques of fixation, staining, and mounting for microscopic study. The course consists mainly of laboratory work; however, regular conferences with the instructor are compulsory. Four hours of laboratory per week.



141. **COMPARATIVE VERTEBRATE HISTOLOGY.** Four credit hours. A comparative study of the microscopic structure and function of organs and systems among vertebrates. Two lectures and four hours of laboratory.
152. **BIOLOGY OF INHERITANCE.** Two credit hours. A study of the principles of heredity and the operation of hereditary factors in the development of individual traits. Two lectures: no laboratory.
161. **GENERAL PHYSIOLOGY.** Four credit hours. A study of the fundamental behavior of living cells and tissues and an introduction to the physiology of mammalian systems. Two lectures and four hours of laboratory. Prerequisite: BI 101.
172. **CYTOLOGY.** Two credit hours. A study of the structures and functions of cells, with emphasis on the process of cell division. One lecture and two hours of laboratory.
180. **HISTORY OF BIOLOGY.** Two credit hours. A study of the historical development of the biological sciences. Two lectures: no laboratory.
191. **BIOLOGICAL SEMINAR.** Two credit hours. This course consists of meetings during which professors and students discuss reports of recent work in current biological literature. A written account of recent progress in some specialized field of biology will be required. Since the content of the course varies from year to year, it may be taken several times with special permission from the chairman of the department. No laboratory. Prerequisites: BI 101 and 112.
- 192 a-g. **SPECIAL PROBLEMS IN BIOLOGY.** Credit to be arranged. This course is designed to give the student an opportunity to engage in the study of some specialized field of biology. The five offerings are:
- a. Special Problems in Zoology
  - b. Special Problems in Botany
  - c. Special Problems in Physiology
  - d. Special Problems in Anatomy
  - e. Special Problems in Heredity
  - f. Special Problems in Embryology
  - g. Special Problems in Histology

A charge will be made for materials used in the laboratory. Prerequisite: Permission of the chairman of the department.

194. THEORY OF EVOLUTION. Two credit hours. A study of organic evolution. Two lectures: no laboratory.
199. SENIOR THESIS. Two credit hours. Undergraduate research in one of the fields of biology selected by the student. Prerequisites: senior standing, consent of the instructor directing the course, and approval of the chairman of the department. A charge will be made for materials used in the laboratory.

## Chemistry (Ch)

*Staff:* FR. MILLER, *chairman:* DR. DUBE, DR. GARASCIA, DR. KLINGENBERG, DR. NOBIS.

*Graduate Fellows:* MR. HATFIELD, MR. LUTMER, MR. OLIVERIO, MR. OVELGONNE, MR. OVERBERG.

The purpose of the courses in Chemistry is both cultural and professional. The general student is given an appreciation of the fundamental principles of the science; the major is offered training in laboratory technique and a progressive program covering the elements of inorganic, organic, analytic, and physical chemistry to acquaint him with the basic divisions of the science.

Departmental requirements for a major include:

1. The completion of Ch 3, 4 and 51 as an introduction to *upper division* work.
2. The completion of Ch 101, 102, 106, 107, 116, 125, 126 and 152 or the equivalent.
3. A senior thesis, Ch 199.

Departmental requirements for a minor include:

1. The completion of Ch 3, 4 and 51 as an introduction to *upper division* work.
2. The completion of Ch 101 and 102.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

1. INTRODUCTION TO CHEMISTRY. Four credit hours. A cultural course in the science of chemistry emphasizing the methods of science and the effect of science on the history of mankind. Three lectures, two hours of laboratory.
2. INTRODUCTION TO CHEMISTRY. Four credit hours. A continuation of Ch 1.

3. GENERAL INORGANIC CHEMISTRY. Four or five credit hours. Experimental lectures combined with discussion of problems and laboratory work. Two lectures, one quiz, four or six hours of laboratory.
4. GENERAL INORGANIC CHEMISTRY. Four or five credit hours. A continuation of Ch 3. The laboratory work includes the equivalent of Ch 31. Two lectures, one quiz, four or six hours of laboratory.
6. CHEMISTRY SURVEY. Two credit hours. Cultural interpretations of the science of chemistry. Given at Milford College.
31. QUALITATIVE ANALYSIS. Four credit hours. Two lectures and six hours of laboratory work per week.
51. QUANTITATIVE ANALYSIS, I. Four credit hours. Three lectures and six hours of laboratory work per week.

*Upper Division Courses*

101. ORGANIC CHEMISTRY. Five credit hours. Three lectures and six hours of laboratory work per week. Prerequisites: Ch 3 and 4.
102. ORGANIC CHEMISTRY. Five credit hours. A continuation of Ch 101 which is also prerequisite.
106. QUALITATIVE ORGANIC CHEMISTRY. Three credit hours. A systematic identification of pure organic compounds and simple mixtures. Six hours of laboratory and one lecture week. Prerequisite: Ch 102.
107. TYPE REACTIONS OF ORGANIC CHEMISTRY. Three credit hours. A detailed study of the important reactions of organic chemistry. Three lectures per week. Prerequisite: Ch 102.
116. QUANTITATIVE ANALYSIS, II. Four credit hours. Three lectures and six hours of laboratory work per week. Prerequisite: Ch 51.
121. ELEMENTARY PHYSICAL CHEMISTRY. Four credit hours. A course intended primarily for pre-medical students who have not had Mt 151 and 152. Three lectures and one four-hour laboratory period per week. Prerequisites: Ch 51 and 102.
125. PHYSICAL CHEMISTRY. Four credit hours. Three lectures and four hours of laboratory work per week. Prerequisites: Ch 51, 102, Mt 151, 152, Ph 3 and 4.

126. PHYSICAL CHEMISTRY. Four credit hours. A continuation of Ch 125. Three lectures and four hours of laboratory work.
127. CHEMICAL CALCULATIONS. Two credit hours. A lecture course devoted to the further development of problems suggested by other courses. Prerequisite: Ch 116.
151. INORGANIC PREPARATIONS. One lecture, individual consultation, and three hours of laboratory work per credit hour. Laboratory preparation of various classes of compounds intended to develop technique and to illustrate the methods employed in the preparation of pure inorganic compounds. Prerequisite: Ch 51.
- 152a. ORGANIC PREPARATIONS. One, two or three credit hours. One lecture and three hours of laboratory work per week per credit hour supplemented by library work, conference and individual consultation. Prerequisites: Ch 51, 101, 102.
- 152b. ORGANIC PREPARATIONS. One, two or three credit hours. A continuation of Ch 152a.
153. ADVANCED INORGANIC CHEMISTRY. Three credit hours. Three lectures per week. Prerequisite: Ch 51.
160. BIOCHEMISTRY LECTURE. Two credit hours. Two lecture hours per week.
161. BIOCHEMISTRY LABORATORY. Two credit hours. Six hours of laboratory per week.
180. HISTORY OF CHEMISTRY. Two credit hours. The origin and development of chemical theories, industries and apparatus. Three lectures per week.
190. JOURNAL READING. Two credit hours. An introduction to the use of chemical literature; discussion of minor chemical problems; required readings and reports. Two lectures per week. Prerequisite: junior standing.
- 192 a-d. PROBLEMS IN CHEMISTRY. Credit to be arranged. Conferences and direction in library and laboratory work. The four offerings are:
- a. Problems in Inorganic Chemistry
  - b. Problems in Organic Chemistry
  - c. Problems in Physical Chemistry
  - d. Problems in Analytical Chemistry
- A charge will be made for materials used in the laboratory. Prerequisite: permission of the chairman of the department.

199. SENIOR THESIS. Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year. A charge will be made for materials and apparatus used in this work.

## GRADUATE DIVISION

The minimum requirements for a Master of Science degree in chemistry include:

1. Completion of 24 semester hours of course work inclusive of Ch 200, 207, 208, 215, 216, 225, 226, 253 and 254.
2. Master's thesis, Ch 299, constituting 6 semester hours of research.

### *Graduate Courses*

200. CHEMISTRY SEMINAR. No credit. Critical discussion of and progress reports on theses and special topics by graduate students and staff members. Required for at least two semesters of all students majoring in chemistry. Prerequisite: graduate standing.
204. PRACTICE IN ORGANIC CHEMISTRY. Two credit hours. A review of organic chemical reactions with a view to their use in synthetic and qualitative work. Prerequisite: Ch 102.
206. QUALITATIVE ORGANIC ANALYSIS LABORATORY. One or two credit hours. Laboratory course to accompany Ch 205.
206. QUALITATIVE ORGANIC ANALYSIS. One or two credit hours. Laboratory course to accompany Ch 205.
207. ADVANCED ORGANIC CHEMISTRY. Two or three credit hours. Lectures, library assignments, reports and conferences. Two lectures per week. Prerequisites: Ch 107 or 204 or equivalent.
208. ADVANCED ORGANIC CHEMISTRY. Two or three credit hours. A continuation of Ch 207.
212. HETEROCYCLIC ORGANIC CHEMISTRY. Two credit hours. A lecture course on the application of fundamental organic reactions as applied to the heterocyclic organic molecules. Two lectures per week. Prerequisite: Ch 102.
215. ADVANCED INORGANIC QUANTITATIVE LECTURE. Two credit hours. Two hours of lecture per week. Prerequisite: Ch 116.

216. ADVANCED INORGANIC QUANTITATIVE LABORATORY. Two credit hours. Six hours of laboratory work per week.
218. ORGANIC QUANTITATIVE CHEMISTRY. Two credit hours. Lecture and laboratory. Six hours per week. Prerequisites: Ch 102 and Ch 116.
225. ADVANCED PHYSICAL CHEMISTRY. Two credit hours. The more important phases of theoretical and physical chemistry are rigidly developed from the viewpoint of thermodynamics. Prerequisites: Ch 125 and 126.
226. ADVANCED PHYSICAL CHEMISTRY. Two credit hours. A continuation of Ch 225.
230. PHYSIO-CHEMICAL MEASUREMENTS. Two credit hours. A laboratory course in the application of physical measurements to the solution of typical research problems. Prerequisites: Ch 125 and 126. May be taken as laboratory to Ch 225 and Ch 226.
235. PHYSICAL ORGANIC CHEMISTRY. Two credit hours. A study of mechanisms and rates of organic reactions. Two lectures per week.
252. ADVANCED ORGANIC PREPARATIONS. Two or three credit hours. One lecture, individual consultation, and three hours of laboratory work per week per credit hour. A laboratory course.
253. ADVANCED INORGANIC CHEMISTRY. Two credit hours. Special topics in inorganic chemistry supplemented by library assignments and reports. Two lectures per week.
254. ADVANCED INORGANIC CHEMISTRY. Two credit hours. A continuation of Ch 253. A lecture course.
260. ADVANCED BIOCHEMISTRY. Two credit hours. A review and extension of fundamental biochemistry. Three lectures per week supplemented by library assignments.
270. INDUSTRIAL CHEMISTRY. Two or three credit hours. A detailed treatment of important industrial processes. Assignments. Three lectures per week.
275. RESEARCH IN CHEMISTRY. Credit to be arranged. Independent original investigation involving library and laboratory work in one of the following fields of chemistry: analytical, inorganic, organic, or physical. A laboratory course. Prerequisite: suitable foundation courses and the consent of the professor in charge of the selected field.

299 a-d. MASTER'S THESIS. Six credit hours. The four offerings are:

- a. Master's Thesis in Inorganic Chemistry
- b. Master's Thesis in Organic Chemistry
- c. Master's Thesis in Physical Chemistry
- d. Master's Thesis in Analytical Chemistry

A charge will be made for materials and apparatus used in this work. Laboratory offerings.

## Classical Languages

*Staff:* FR. HETHERINGTON, *chairman:* FR. BURKE, FR. DERSCHUG, DR. HARKINS, FR. HARTMANN, FR. HENNES, FR. KNOEPFLE, FR. MANNING, FR. MCGRAIL, FR. WENZEL, FR. WERNERT, DR. WIRTH.

Since the Greek and Latin languages are the direct media of acquaintance with unified ancient culture, only through a study of the literature of both languages can a complete concept be formed of the mythology, philosophy and oriental origins of this early western culture. The inter-relationship of the epic, drama, oratory, prose and poetry reveals the intimate influence of the Greek mind on the Roman mind. Hence, a major in either language should be supported by the literature of the other in order to preserve this natural unity of combined cultural content.

However, the student may choose one language to the exclusion of the other if he so desires.

Aside from the educative discipline of diction, structure, style and mental power of analysis involved in the processes of translation, each language contains a complete literature of rare cultural value best revealed through the powerful contrast of the pagan mind with the Christian mind.

Selection of courses for a major must be made on the advice of the chairman of the department.

Admission to *upper division* Greek courses requires two units of high-school Greek and the completion of two semesters of *lower division* work. A student having no high-school Greek must complete four semesters of *lower division* work. Exception is made for the English or history major who wishes to take Gk 181 and 185.

*Upper division* Latin courses presuppose four units of high-school Latin and two semesters of *lower division* work. A student having only two units of high-school Latin must complete four semesters of *lower division* work prerequisite to *upper division* courses. Exception is made for the English and history major desirous of taking Lt 181 and 185.

## UNDERGRADUATE DIVISION

### Greek (Gk)

#### *Lower Division Courses*

- 1, 2. ELEMENTARY GREEK. Six or eight credit hours. A course in Greek syntax with suitable readings for those beginning the study of Greek. Two semesters.
- 5, 6. INTRODUCTION TO GREEK LITERATURE. Four or six credit hours. An intensive course in syntax and selected readings in preparation for an extensive study of Greek. Prerequisite: Gk 2 or the equivalent. Two semesters.
7. XENOPHON. Three credit hours. Selections from the *Cyropaedia*. Prerequisite: Gk 2 or the equivalent.
8. ST. LUKE. Two credit hours. A reading of the *Acts of the Apostles* and the *Gospel According to St. Luke*. Prerequisites: Gk 2 or the equivalent.
11. HOMER. Three credit hours. A course covering the elements of the Homeric dialect and metre, Troy and the Homeric question. Readings from *The Illiad*.
12. HERODOTUS. Three credit hours. Greek historiography. Lectures on the nine books of Herodotus' *History*. Book VII is read in Greek. Prerequisite: Gk 2 or the equivalent.
- 13, 14. GREEK COMPOSITION. Two or three credit hours. A basic course in Greek composition. Two semesters.
16. ORATORY AND TRAGEDY. Three credit hours. Lysias' speeches for Mantitheus and against Eratosthenes are read as models of the plain style of rhetoric. His power of portraiture is then compared with tragic characterization as seen in Euripides' *Medea*. Intended for students in the Honors A.B. course.
17. LYSIAS. Three credit hours. Selected orations.
18. HOMER. Three credit hours. Selected portions of *The Odyssey*. Prerequisite: Gk 11 or the equivalent.
21. PLATO. Three credit hours. A study of Plato's philosophy including lectures on the *Dialogues* and the reading of *The Apology*, *Crito* and *Phaedo*. Prerequisite: four semesters of Greek.



22. THUCYDIDES. Three credit hours. Thucydides and Herodotus compared. Readings from books II, III, VI, and VII. Prerequisite: four semesters of Greek.
- 23, 24. GREEK PROSE COMPOSITION. Two or four credit hours. General application and mastery of Greek syntax. Two semesters.
27. PLATO. Two or three credit hours. Plato's theory of ideas as illustrated in the *Euthyphro*, *Meno* and *Phaedo*.
60. GREEK TRAGEDY. Three credit hours. A study of the early and middle periods of Greek drama as illustrated by the *Prometheus* of Aeschylus and the *Oedipus Tyrannus* of Sophocles. Intended for students in the Honors A.B. course.
61. SOPHOCLES. Three credit hours. A thorough study of the *Antigone*, its style, language, prosody and ethics.

#### *Upper Division Courses*

101. LYSIAS. Three credit hours. Selected speeches of Lysias. Three entire speeches are read for structure and style.
102. ATTIC ORATORS. Three credit hours. The development of Attic prose and oratory as illustrated by selections from Lysias, Isocrates, Aeschines and Demosthenes.
103. DEMOSTHENES. Three credit hours. A study of the excellence of Greek oratory. *The Crown* is read.
104. DEMOSTHENES. Three credit hours. A continuation of Gk 103.
108. DEMOSTHENES. Three credit hours. A consideration of factors in the decline of Athens augmented by selections from *The Philippics* and *Olynthiacs*.
- 113, 114. GREEK STYLE. Two credit hours. An advanced course in Greek prose composition for practical illustration of the elements of style. Two semesters.
- 123, 124. GREEK STYLE. Two credit hours. An advanced course in Greek prose composition illustrative of word usage and types of style. Two semesters.
131. GREEK LYRIC POETS. Three credit hours. Characteristics of Greek lyric poetry as revealed through selections from Pindar, Bacchylides and the *Melic* poets.

141. THUCYDIDES. Two or three credit hours. A study of the Sicilian expedition and the beginning of *Attic* prose. Books VI and VII are read.
151. HOMER. Three credit hours. A study of the Greek epic. Selected readings: *The Iliad*, Bks. I-XII.
152. HOMER. Three credit hours. A comparative study of Latin, English and Greek epics. Bks. XIII-XXIV of *The Iliad* are read.
153. HOMER. Three credit hours. Selections from *The Odyssey*.
161. SOPHOCLES. Three credit hours. A reading of *The Oedipus Tyrannus* or *Antigone* as types of Greek drama, and other selected plays of Sophocles.
162. EURIPIDES. Three credit hours. A study of the Greek tragedy — its origin, development and choral metres.
163. AESCHYLUS. Three credit hours. A study of the development of the Greek drama. The reading of at least one play.
164. ARISTOPHANES. Three credit hours. A reading of *The Birds* or *The Frogs* with lectures on Greek comedy.
171. PLATO. Three credit hours. A critical appraisal of the first great *Utopia*. With the exception of one book, the whole *Republic* will be read in translation.
172. PLATO AND ARISTOTLE. Three credit hours. The *Phaedo* and the *De Anima*.
181. POLITICAL AND SOCIAL INSTITUTIONS OF ATHENS AND ROME. Three credit hours. Assigned readings in Latin, Greek, and English translation with lectures and discussions.
182. AESCHINES AND DEMOSTHENES. Three credit hours. *The Embassy* and *The Crown* are read as illustrations of the foreign policy of Athens during the time of Philip.
185. CLASSICAL ARCHAEOLOGY. Two credit hours. Lectures on the architecture, sculpture, ceramics, and domestic antiquities of Greece and Rome.
187. HISTORY OF CLASSICAL LITERATURE. Four or six credit hours. A study of Greek and Latin literature for comparisons, contrasts, and influence. Two semesters.
- 188.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in Greek.

## GRADUATE DIVISION

### *Undergraduate Courses Open to Graduate Students*

102. ATTIC ORATORS. Three credit hours.
103. DEMOSTHENES. Three credit hours. *The Crown*.
108. DEMOSTHENES. Three credit hours. *The Philippics* and *The Olynthiacs*.
- 123, }  
124. } GREEK STYLE. Two credit hours. Two semesters.
131. GREEK LYRIC POETS. Three credit hours.
151. HOMER. Three credit hours. *The Iliad*. Bks. I-XII.
152. HOMER. Three credit hours. *The Iliad*. Bks. XIII-XXIV.
171. PLATO. Two credit hours.
172. PLATO. Two or three credit hours. Dialogues of Plato other than *The Republic*.
182. AESCHINES AND DEMOSTHENES. Three credit hours.
185. CLASSICAL ARCHAEOLOGY. Two credit hours.
- 187, 188. HISTORY OF CLASSICAL LITERATURE. Four or six credit hours. Two semesters.

### *Graduate Courses*

215. GREEK AND ROMAN ART. Three credit hours. Interpretations of masterpieces of classical art, particularly of Greek and Roman.
216. TOPOGRAPHY OF ANCIENT ATHENS. Three credit hours.
241. THUCYDIDES. Three credit hours. An historic and stylistic study of the first four books.
242. THUCYDIDES. Three credit hours. Continuation of Gk 241.
245. HERODOTUS. Three credit hours. Selections.
253. HOMER. Three credit hours. A study of *The Odyssey*, Bks. I-XII, stressing unity of structure.
254. HOMER. Three credit hours. A continuation of Gk 253. *The Odyssey*, Bks. XIII-XXIV.

- 261a. SOPHOCLES. Three credit hours. Early plays.
- 261b. SOPHOCLES. Three credit hours. Late plays.
262. EURIPIDES. Three credit hours. A course devised for the study of three or four selected plays and a comparison of Euripides with Sophocles.
263. AESCHYLUS. Three credit hours. A study of the development of the Greek drama; a comparison of Aeschylus with Sophocles, and the reading of at least one play.
264. THE GENIUS OF AESCHYLUS AND SOPHOCLES. Three credit hours. The Aeschylean Trilogy and the two Oedipus plays read comparatively.
265. THE GENIUS OF AESCHYLUS AND SOPHOCLES. Three credit hours. Continuation of Gk 264.
267. ARISTOPHANES. Three credit hours. The reading of two plays and a study of Aristophanes — his specific genius and old comedy characteristics.
268. ARISTOPHANES. Three credit hours. Continuation of Gk 267.
271. PLATO. Three credit hours. A critical appraisal of the first great *Utopia*.
272. PLATO. Three credit hours. A study of the early dialogues and of the development of Platonic thought.
273. PLATO. Three credit hours. Continuation of Gk 272. The middle dialogues.
274. PLATO. Three credit hours. Continuation of Gk 273. The late dialogues.
275. ARISTOTLE. Three credit hours. *Nichomachean Ethics*. A study of the entire work with discussions of Plato's influence on the ethical thought of Aristotle.
276. ARISTOTLE. Three credit hours. A study of Aristotelian metaphysics and the history of Greek philosophic thought.
286. THE CHARACTER OF SOCRATES. Three credit hours. An evaluation of the testimony of Xenophon, Plato, and Aristophanes.
289. LONGINUS. Three credit hours. A thorough study of Longinus. The development of literary criticism.
299. MASTER'S THESIS. Six credit hours.

## Latin (Lt)

### UNDERGRADUATE DIVISION

#### *Lower Division Courses*

- 1, 2. ELEMENTARY LATIN. Six or eight credit hours. An intensive study of syntax and selected readings for those beginning the study of Latin. Supplementary theme work. Four hours per week. Two semesters.
3. CICERO. Three credit hours. Introduction to the *Letters of Cicero*. Readings from selected letters.
5. CICERO. Four credit hours. A study of *Orations Against Cataline* with a review of syntax and practice in Latin prose composition. Prerequisite: Lt 2 or two units of Latin.
6. VERGIL. Four credit hours. A study of *The Aeneid*, Bks. I-II, for metrical reading, translation, and some literary characteristics accompanied by exercises in Latin prose composition. Prerequisite: Lt. 5 or the equivalent.
11. LIVY. Three credit hours. Books XXI and XXII are read for a study of Livy's style in contrast with that of the Ciceronian period. Discussion of Livy's reliability as an historian. Prerequisites: Lt 5 and 6 or the equivalent.
12. CICERO. Three credit hours. *The Pro Milone* is studied with special attention to its rhetorical qualities. Discussion and analysis of Cicero's argument and logic. Prerequisites: Lt 5 and 6 or the equivalent.
- 13, 14. LATIN COMPOSITION. Two credit hours. A study of Arnold's *Latin Prose Composition*, exercises I-XXIV, or some special composition exercises. Two semesters.
- 15, 16. LATIN CONVERSATION. Four credit hours. Practice in informal oral expression as an aid to the understanding of Latin lectures. Two semesters.
18. LIVY AND CICERO. Three credit hours. Livy's historicity is studied in his account of Hannibal's invasion of Italy. The style of history is contrasted with the oratorical as it appears in Cicero's *Pro Milone* which is analyzed for its rational qualities and logic. Intended for students in the Honors A.B. course.

21. PLINY AND SENECA. Three credit hours. A comparative study of the letters of these Roman authors with reference to Roman life under the early emperors. Prerequisite: two semesters of college Latin.
22. HORACE. Three or four credit hours. Selected *Odes*, *Epodes*, and *Satires* are studied for the lyric qualities of Latin poetry. The influence of Horace on modern poets is discussed.
23. HORACE. Three credit hours. A general introduction to the works of the poet, with a selected reading of examples from the *Sermones*, *Epistulae*, *Epodi*, and *Carmina* respectively.
- 25, 26. LATIN CONVERSATION. Two credit hours. Formal and informal oral expression in the Latin language. Two semesters.
28. CICERO. Three or four credit hours. Selections from the works of Cicero together with a study of the author and his influence. Prerequisite: two semesters of college Latin.
29. CICERO. Three credit hours. The historical settings and oratorical style of *Pro Marcello* and *Pro Ligario*. Prerequisite: two semesters of college Latin.
32. VERGIL. Three credit hours. Selections from the *Eclogues*, *Georgics*, and *The Aeneid*, Bk. VI or VIII. A study of metre and style.
51. VERGIL. Three credit hours. The epic structure of the *Aeneid* is studied with special reference to its organic unity and the artistry of episodic interludes. Books I, II, VI, IX are read. Accompanied by exercises in Latin prose composition. Intended for students in the Honors A.B. course.
53. VERGIL. Three credit hours. A study of Vergil's style and inspiration in the first six books of *The Aeneid*, especially of I, II, IV and VI.

#### *Upper Division Courses*

101. ROMAN ORATORY. Three credit hours. The excellence of Roman Oratory as illustrated in Cicero's *Pro Milone*, *De Oratore*, and *Orator*; Quintilian's *Institutio Oratoria*; St. Augustine's *De Doctrina Christiana*, *Liber Quartus*.

102. HISTORY OF ANCIENT ROME. Three credit hours. A study of the early Roman Republic with special emphasis on its constitutional history.
105. CONSTITUTIONAL HISTORY OF ROME. Three credit hours. A study of the origins and development of Roman political institutions. Assigned readings in various primary and secondary sources. (Hs 105)
111. LIVY. Two or three credit hours. A reading of Livy's *First or Third Decade*.
112. TACITUS. Two or three credit hours. A special study of Tacitus as an historian and stylist with readings from the *Agricola*, *Germania*, and the *Dialogus de Oratoribus*.
- 113, 114. ADVANCED LATIN COMPOSITION. Two or four credit hours. Arnold's *Latin Prose Composition* or equivalent. Exercises XXIV to L. Two semesters. Prerequisites: Lt 13 and 14.
- 115, 116. LATIN SPEECH. Two or four credit hours. An advanced course in formal and informal Latin speech employing the principles of Lt 113 and 114. Two semesters.
117. CAESAR AND SALLUST. Two or three credit hours. Roman history and memoirs. The *Bellum Jugurthinum* and *De Bello Civili*.
118. ROMAN HISTORIANS. Two or three credit hours. The historical method and contributions of Roman historians with readings from Nepos, Caesar, Sallust, Livy, Tacitus, and Suetonius.
121. CICERO. Two or three credit hours. Readings from selected letters which reveal the personality and times of Cicero. Characteristics of classical epistolary style.
122. INTRODUCTION TO A STUDY OF THE LATIN FATHERS. Three credit hours. Selections from Tertullian, Cyprian, Lactantius, Minucius Felix, Jerome, Ambrose, Augustine, Gregory, and Bernard.
- 123, 124. LATIN STYLE. Two or four credit hours. Translations of standard English excerpts into Latin with special attention to the Latin period, use of metaphor, and other elements of style. Two semesters.
- 125, 126. LATIN STYLE. Two or four credit hours. The writing of Latin essays with special attention to types of Latin style.

128. CICERO. Two or three credit hours. A study of Cicero as an essayist. *De Amicitia* and *De Senectute*.
129. SENECA. Three credit hours. Political and social life under the Caesars. Stoicism and Christianity. *Epistulae Morales* and selections from the *Moral Essays* of Seneca.
131. HORACE. Two or three credit hours. An intensive study of the Odes; meter and versification; sources and inspirations. Special attention to methods of teaching Horace.
132. VERGIL. Two or three credit hours. A study of pastoral and didactic poetry. Readings from the *Eclogues* and the *Georgics*.
135. EARLY CHRISTIAN POETS. Three credit hours. A selection of fourth, fifth, and sixth century poems and hymns.
141. HORACE. Two or three credit hours. Characteristics of the Roman satire. The importance of the *Ars Poetica* in the field of literary criticism.
142. JUVENAL. Two or three credit hours. Selections from the *Satires* of Juvenal.
151. VERGIL. Three credit hours. An intensive study of the literary qualities of *The Aeneid*, with special attention to methods of teaching *The Aeneid*. Discussion of Vergil's influence on English literature. Prerequisite: Lt 5 or the equivalent.
152. VERGIL. Three credit hours. A literary appreciation of *The Aeneid*. Books VII-XII are read.
161. ANCIENT ROMAN COMEDY. Two or three credit hours. Characteristics of Roman Comedy. *The Captivi* of Plautus and the *Phormio* or *Andria* of Terence are read.
171. CICERO. Two or three credit hours. A study of the philosophy of Cicero as revealed in *Disputationes Tusculanae* and *Somnium Scipionis*.
172. CICERO. Two or three credit hours. A study of the ethical principles of Cicero as illustrated in the *De Officiis*.
173. CICERO. Two credit hours. A discussion of his philosophical writings in their relation to the Greco-Roman philosophical schools. The dialogue, *De Finibus Bonorum et Malorum*, will be analyzed.



181. **POLITICAL AND SOCIAL INSTITUTIONS OF ATHENS AND ROME.** Three credit hours. Assigned readings in Latin, Greek, and English translation with lectures and discussions.
182. **ROMAN PRIVATE LIFE.** Two credit hours. Letters of Cicero, Horace, Pliny, and Seneca illustrating standards of Roman life. Effects of later Christian culture.
183. **CLASSICAL ARCHAEOLOGY.** Two credit hours. Lectures on the architecture, sculpture, ceramics, and domestic antiquities of Greece and Rome.
- 185, 186. **LATIN LITERATURE.** Four or six credit hours. A history of Latin literature from the beginning to the end of the second century, A.D. Lectures and readings from the authors. Two semesters.
- 187, 188. **HISTORY OF CLASSICAL LITERATURE.** Four or six credit hours. A study of Greek and Latin literature for comparisons, contrasts, and influence. Two semesters.
191. **LUCRETIUS.** Three credit hours. The poetry and philosophy of Lucretius.
198. **SPECIAL STUDY.** Two credit hours. The content of the course varies from year to year with the needs and abilities of individual students. Usually the intensive study of a literary period, type, individual writer, historical epoch, or institutional activity will be prescribed.
199. **SENIOR COMPREHENSIVE REVIEW.** Two or three credit hours. Required of all seniors majoring in Latin.

## GRADUATE DIVISION

### *Undergraduate Courses Open to Graduate Students*

101. **ROMAN ORATORY.** Three credit hours.
- 115, 116. } **LATIN SPEECH.** Two or four credit hours.
118. **ROMAN HISTORIANS.** Two or three credit hours.
122. **INTRODUCTION TO A STUDY OF THE LATIN FATHERS.** Three credit hours.
- 123, 124. } **LATIN STYLE.** Two or four credit hours.
132. **VERGIL.** Two or three credit hours.

135. EARLY CHRISTIAN POETS. Three credit hours.
151. VERGIL. Three credit hours.
173. CICERO. Two credit hours.
183. CLASSICAL ARCHAEOLOGY. Two credit hours.
- 185, } LATIN LITERATURE. Four or six credit hours.  
186. }
- 187, HISTORY OF CLASSICAL LITERATURE. Four or six credit  
188. hours.
191. LUCRETIVS. Three credit hours.
198. SPECIAL STUDY. Two or three credit hours.

#### *Graduate Courses*

212. THE ANNALS OF TACITUS. Three credit hours. Readings and discussions of the period treated.
213. THE HISTORIES OF TACITUS. Three credit hours. The period of anarchy after Nero; rise of the Flavian dynasty and advance of Tacitean style.
218. THE ROMAN HISTORIANS. Three credit hours. A comparative study of the credibility, style, and syntax of the historians Nepos, Caesar, Sallust, Livy, Tacitus, and Suetonius.
221. THE LETTERS OF CICERO. Three credit hours. Reading of selected letters chosen for historical interest.
222. CONFESSIONS OF AUGUSTINE. Three credit hours. A study of the life and times of Augustine and an evaluation of his Latin style.
228. STYLISTIC LATIN. Two or three credit hours. Niceties of the various types of Latin prose writing.
227. ROMAN METRICS. Three credit hours. A study of Roman poetic metre. Comparison with the Greek. Composition of Latin verses.
232. VERGIL'S EARLIER WORKS. Three credit hours. Readings in the *Appendix Vergiliana*, the *Eclogues*, and the *Georgics*. Problems involved in these works.

233. **LATIN LYRIC POETRY.** Three credit hours. Catullus, Tibullus, Propertius, and Ovid. Comparison with Greek lyric and elegy.
242. **JUVENAL.** Three credit hours. A study of the life and times of Juvenal. Reading of the more important satires.
245. **SEMINAR IN ROMAN SATIRE.** Two credit hours. A survey course in the origin, development, and perfection of satire as a literary type among the Romans.
251. **THE AENEID OF VERGIL.** Three credit hours. Interpretation, especially of books VI-XII. Study of Vergil's technique. History of the Romanic epic.
262. **ROMAN COMEDY.** Three credit hours. A study of the origin and literary characteristics of Roman comedy; illustrated by representative plays.
275. **SEMINAR IN ROMAN STOICISM.** Two credit hours. The history of Roman Stoicism from its beginnings to the close of the Silver Age; the Greek background of the system. Representative readings.
282. **ROMAN IMPERIAL PERIOD.** Three credit hours. An investigation in the coins of the Emperors and in the science of numismatics. This science, auxiliary to and revealing so much of history and literature, will be studied in itself and in its examples up to the year 300 A.D.
289. **LITERARY CRITICISM.** Three credit hours. A study of literary criticism in the ancient world and of Greek backgrounds, especially Aristotle and Longinus.
291. **EPICUREANISM AT ROME.** Three credit hours. Lucretius, *De Rerum Natura*. A study of Grecian Epicureanism and its appearance and history at Rome.
298. **SPECIAL STUDY.** Two or three credit hours.
299. **MASTER'S THESIS.** Six credit hours.

## Economics and Business (Ec)

*Staff:* MR. LINK, *chairman:* MR. BLUM, MR. CISELL, MR. DOLLE, MR. ETTER, MR. FLAMM, MR. HARRIMAN, MR. KEELING, MR. KILDUFF, MR. LUKE, MR. MUETHING, MR. MURRAY, MR. O'LEARY, MR. RATTERMAN, MR. SCHUCK, DR. SCHWARTZ, MR. SETTELMAYER, MR. SUNDERMANN, MR. VALLEE, MR. VOLCK.

In addition to the general and two-fold aim of instruction in theory and practice, the Department of Economics and Business has the following specific objectives: to contribute to the cultural objectives and scope of a liberal education; to give a general but thorough knowledge and appreciation of economic life; to prepare majors for professional study in the field of business; to offer an undergraduate basis for graduate study in economics; to inform the student of Christian contributions to the solution of economic problems; to integrate the science of economics with principles of Christian culture and philosophy.

Ec 33, 34 are introductory to *upper division* courses in economics. Departmental requirements for the B.S. in B.A. degree:

1. A major sequence must include Ec 33, 34, 123, 151, 161 or 162, and nine additional credit hours of *upper division* economics; Ec 199.
2. A minor sequence must include Ec 33, 34, 151, 161, 162 and three additional credit hours of *upper division* economics.

Departmental requirements for the B.S. degree:

1. A major sequence must include Ec 33, 34, 103, 123, 151 and 188; six additional credit hours of *upper division* economics; Ec 199.

Recommended electives for a major in economics in the B.S. in B.A. degree course are Ec 172, 173 and 174.

Recommended electives for a major in economics in the B.S. degree courses are Ec 161 or 162, 181, 182 and 184.

Students majoring in the department will plan their courses with the advice of the chairman of the department.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

- 31, 32. ECONOMIC HISTORY OF THE UNITED STATES. Four credit hours. Given at Evening College.
33. PRINCIPLES OF ECONOMICS. Three credit hours. An investigation and evaluation of the fundamental theories of economics as applied in our present day economic system embracing an analysis of production, distribution, exchange and consumption; theories concerning rents, profits, interest, wages, private ownership and collectivism, value, price, the farm problem; taxation, etc.
34. PRINCIPLES OF ECONOMICS. Three credit hours. A continuation of Ec 33.

*Upper Division Courses*

101. HISTORY OF THE LABOR MOVEMENT. Three credit hours. Given at Evening College.
102. HISTORY OF THE LABOR MOVEMENT. Three credit hours. A continuation of Ec 101. Given at Evening College.
103. PROBLEMS OF LABOR. Three credit hours. The position of labor in a capitalistic, free enterprise society. Consideration of the economic determinants of the general level of wages; risks of employment in a free society; the trends of corrective social legislation and the problems of the society posed by industry-wide trade unionism and collective bargaining.
104. ECONOMICS OF LABOR. Three credit hours. Given at Evening College.
105. PRINCIPLES OF LABOR RELATIONS. Three credit hours. Given at Evening College.
106. COLLECTIVE BARGAINING, MEDIATION AND ARBITRATION. Three credit hours. Given at Evening College.
107. LABOR LAW. Two credit hours. Given at Evening College.
108. HISTORY OF ECONOMIC THOUGHT. Three credit hours. An historical course in the study of world economic movements, an analysis of writings and works in the field of economic thought, and a study of the theories of economics advanced by Aristotle, St. Thomas Aquinas, Adam Smith, Veblen, Malthus, George, Bentham, Jevons and Babson.
109. TRANSPORTATION. Three credit hours. The economics of transportation — its influence on commercial and industrial development.
110. TRAFFIC MANAGEMENT. Three credit hours. Given at Evening College.
111. TRANSPORTATION: TRAFFIC MANAGEMENT. Three credit hours. Given at Evening College.
112. TRANSPORTATION: TRAFFIC MANAGEMENT. Three credit hours. A continuation of Ec 111. Given at Evening College.
113. RATES AND TARIFF, I. Six credit hours. Given at Evening College.
114. RATES AND TARIFF, II. Six credit hours. Given at Evening College. Separate credit given for each course.

- 115, 116. RATES AND TARIFF, II. Six credit hours. Given at Evening College. Separate credit given for each course.
117. TRANSPORTATION LAW, I. Two credit hours. Given at Evening College.
118. TRANSPORTATION LAW, II. Two credit hours. A continuation of Ec 117 which is prerequisite. Given at Evening College.
123. BUSINESS STATISTICS. Two or three credit hours. A study of the manner of presentation of specific and general business reports for graphic determination of economic significance. A study of mathematical tools as used in business and industry including modes, means, median and coefficient of correlation.
131. PRINCIPLES OF MARKETING. Two or three credit hours. A study of the elements of distribution in a capitalistic economy including marketing functions; wholesaling; retailing; financing; transportation; the various types of retail institutions:
132. PROBLEMS OF MARKETING. Three credit hours. Given at Evening College.
- 133, 134. MARKET RESEARCH AND ANALYSIS. Six credit hours. Given at Evening College.
135. MARKET RESEARCH AND ANALYSIS. Three credit hours. A study of the tools used and the techniques of research and evaluation of markets for goods. Preparation of a questionnaire; selecting the sample to be studied; interviewing the respondents; making the analysis of the data and interpreting and presenting the results. Market research and analysis is becoming a tool of increasing importance in advertising and selling. Prerequisite: Ec 131.
136. PRINCIPLES OF RETAILING. Three credit hours. This course treats of the general structure of retailing throughout the nation; the problems associated with retail store operation and undertakes an evaluation of employment and business opportunities in this field. The course treats in detail of the organization of a retail store, site evaluation, merchandising, operating activities such as receiving, checking, marking, hiring and control of personnel, retail salesmanship and financial accounting, budgeting and expense control.

137. RETAIL MERCHANDISING. Three credit hours. Given at Evening College.
138. RETAIL MERCHANDISING. Three credit hours. A continuation of Ec 137. Given at Evening College.
139. CONSUMER ECONOMICS. Three credit hours. A study of buying methods and techniques, budgeting, evaluation of marketing values in American and world markets, and of sales and advertising factors influencing consumer purchases and choices. U. S. Government publications—"Consumers' Research" and "Consumers' Union"—together with several independent publications are studied. The course affords beneficial training in wise and economical purchasing and consumption.
140. PRINCIPLES OF ADVERTISING. Three credit hours. The purpose of this course is to give the student an understanding of advertising needed by management if it is to employ advertising economically and effectively. It is intended to provide a basis for judgment of what advertising is likely to accomplish under differing combinations of specific circumstances; development of habits of building sound marketing strategies, including advertising, to meet specific situations and to learn methods of control and measurement of advertising efforts that may be used to administer advertising well. Prerequisite: Ec 131.
- 141, 142. PRINCIPLES OF ADVERTISING. Four credit hours. Given at Evening College. A two semester course.
- 143, 144. ADVANCED ADVERTISING. Four credit hours. Given at Evening College. A two semester course.
145. PRINCIPLES OF SALESMANSHIP. Three credit hours. Emphasis in this course is on the methods of salesmanship in the field of specialty goods. Differences in selling to wholesalers, retailers and consumers are variations in the intensity of the application of these techniques. Each student is required to prepare a sales talk on a specialty of his choosing and to deliver his presentation to a fellow student buyer. Several lectures by local sales executives and active salesmen are usually provided in this course. Prerequisite: Ec 131.
- 145, 146. PRINCIPLES OF SALESMANSHIP. Four credit hours. Given at Evening College. A two semester course.

- 147, 148. **SALES MANAGEMENT.** Six credit hours. Given at Evening College. A two semester course.
149. **SALESMANSHIP.** Two credit hours. The nature, scope, and development of selling with an analysis of principles and technique; the psychology of approach and presentation; the relation of the product to the market.
151. **MONEY AND BANKING.** Three credit hours. A course covering the present money and banking system and how it works; the theory and history of money, credit and commercial banking; international financial relationships; the Federal Reserve System and the significance of the unstable value of money. Prerequisites: Ec 33 and 34.
153. **GENERAL INSURANCE.** Three credit hours. A survey of insurance terminology; kinds of insurance; methods of investments; operation of general companies; and, a study of the kinds of rates, premiums, policies, and fundamental principles involved in operation and investment. Intended as a basic course for the business administration student interested in the insurance business.
155. **BUSINESS FINANCE.** Three credit hours. A study of the various types of American business — its organization, management, financing and budgeting; methods of financing with stocks, bonds, and other securities, loans, investments, etc.; financial statements and their interpretations emphasizing costs, sale price and profit margins.
157. **INVESTMENT THEORY.** Three credit hours. A survey course in the economic bases of investment practice, with a discussion of techniques of security analysis and portfolio management. Discussions on nature of the investment process in American business, objectives of investment practice and major qualities of investment instruments — reversibility, taxability, degree of internal and external risks; the problem of portfolio composition as a problem in combination of diverse objectives and qualities; characteristics of principal investment media — bonds, preferred and common stocks — governments, municipals, industrials, utilities, rails, real estate, banking and finance, and the function of the investment banker, broker, dealer, and counsellor. Prerequisites: Ec. 33, 34 and 123.
161. **BUSINESS LAW I.** Three credit hours. A general introduction to American business law. Contracts; essential, form,



legality and enforcement. Property. Negotiable instruments.

162. BUSINESS LAW II. Three credit hours. General review of the introduction to business law. Creation, powers, termination, liabilities of principal and agent. Partnerships. Corporations. Miscellaneous problems involving insurance and bankruptcy. Recommended prerequisite: Ec 161.
163. CORPORATIONS. Three credit hours. A study of the economic and social aspects of the corporate form of business organization including the history of American corporations, legal theory of corporate enterprise, dispersion of ownership of the modern corporation, price and labor policies, and the importance of large corporations in business-cycle theory.
164. PARTNERSHIPS AND NEGOTIABLE INSTRUMENTS. Two credit hours. Given at Evening College.
165. INTERSTATE COMMERCE LAW. Four credit hours. Two semester course. Given at Evening College.
170. OFFICE MANAGEMENT. Three credit hours. A presentation of fundamental principles and successful office practices. Special emphasis on the performance of necessary office activities and inter-office services within the organization; consideration of expenditure of time, effort and money involved.
171. PERSONNEL MANAGEMENT. Three credit hours. A study of principles and practices in the administration of human relations in the industrial and commercial world. Emphasis is placed upon the use of scientific techniques and devices in the development of a well-rounded personnel program including techniques of interviewing; testing; evaluation of statistics and tests; placement; job rotation; promotion; safety and health programs; general personnel services.
172. PERSONNEL PROBLEMS. Three credit hours. The case system approach to human relations problems in industry. A study of how problems are discovered and the scope limitation of problems. Typical problems cover grievance handling, wage and salary administration, collective bargaining, selection, placement and merit rating. Prerequisite: Ec 171.

173. **INDUSTRIAL PSYCHOLOGY.** Two or three credit hours. A review of the principles of sound psychological procedure as applied to personnel in industry and commerce. A correlated study of personnel management and industrial relations concerning both capital and labor; negotiation and mediation; problems of capital and labor in industry; relation and interpretation of programs of industry to consumer and consumer to industry; public relations and its place in industry. Concentration upon the human element in American industry. Lectures by plant and industrial psychologists. (Ps 173). Prerequisites: Ps 31 and Ec 171.
174. **BUSINESS ORGANIZATION AND MANAGEMENT.** Three credit hours. A study of the basic principles and theories of managerial organization; development of theories of organization; organization structure; types of organization; managerial control techniques; functions of the executive; management as a profession; relations of the business organization with society and government. Prerequisites: Ec 33, 34.
175. **PRODUCTION MANAGEMENT.** Three credit hours. A study of plant and factory operation and management; job analysis; time study; problems in production operations, distribution, transportation and purchasing of materials, parts and equipment; factory cost analysis. A complete study if made of the principles of operation of local plants and their problems.
- Field study: Twelve field trips to Greater Cincinnati machine tool industries, soap manufacturing plants, automobile assembly plants, leather industries, and other manufacturing plants of national reputation. Conducted tours with guides. Written reports required. Prerequisites: Ec 33, 34.
179. **RETAIL STORE MANAGEMENT.** Three credit hours. A comprehensive study of the principles and practices of successful American retail stores, including mail order houses, department, produce, grocery, and other stores. A consideration of window displays, aisle and counter arrangements, display of merchandise, advertising, store services, quality and quantity of merchandise and credit policies.
- Field study: Twelve field trips to Greater Cincinnati stores — department, mail order, grocery, and specialty — inclusive of a series of lectures by store managers. Prerequisite: Ec 131.

181. **ECONOMIC GEOGRAPHY.** Three credit hours. A course covering a study of world geography and the economic implications of natural resources. Emphasis is placed upon the production of raw materials and foodstuffs, mineral resources, water power, and the distribution of manufacturing in relation to the development of agriculture, commerce, and industry in the United States and foreign countries. Prerequisites: Ec 33, 34.
182. **WORLD ECONOMICS.** Two or three credit hours. The purpose of this course is to present a balanced study of the economic relations between civilized nations. The problems discussed include international trade, finance, transportation, and the international effect of national economic trends.
183. **CURRENT ECONOMIC PROBLEMS.** Three credit hours. A seminar for students majoring in economics. Current periodicals, magazines and United States Government publications are basic references. Current problems discussed include cooperatives, labor movements, the Marshall Plan, economy of capitalism, economy of communism, U. S. National Budget, social welfare legislation, poverty and world distribution of wealth. Prerequisites: Ec 33, 34 and six hours *upper-division* credit in economics.
184. **PRINCIPLES OF INTERNATIONAL TRADE.** Three credit hours. Historical background; its importance to the economic life of the United States; markets for American products and methods of developing them; foreign sales and their comparison with domestic sales; foreign competition, ways and means of combating it; financial problems of foreign trade; Import-Export Bank; foreign credit and collections.
187. **PHILOSOPHY OF COMMUNISM.** Two credit hours. The fundamental principles of Marxist Communism; their origins in the writings of Marx, Engels, Lenin and Stalin; their relative importance; popular and orthodox Communism; economic principles of Communism and their spiritual foundation; critical analysis of important contemporary arguments against Communism. A Christian culture course. Prerequisite: Ec 189 or 195.
188. **ADVANCED ECONOMIC THEORY—ECONOMIC ANALYSIS.** Three credit hours. An advanced study of economic principles including an analysis of such fundamental concepts as

value and price, rent, interest, wages and profits and their relation to the current problems of production, distribution and exchange. Prerequisites: Ec 33, 34, and 151.

189. CHRISTIAN THEORY OF ECONOMICS. Two credit hours. A study of elementary economics from the viewpoint of Christian ethics; a study of the Encyclicals of Popes Leo XIII and Pius XI as they affect the science of economics and business; an evaluation of Karl Marx's *Communist Manifesto*. A course planned to help the future business man plan a code of ethics founded on solid Christian principles basic to effective living in a democratic society. A Christian culture course.
190. SEMINAR: ECONOMICS OF THE RUSSIAN STATE. Three credit hours. *Upper division* and graduate level consideration of the history, policies and objectives of the communist state in production, distribution and consumption. A current study of USSR publications, financial and production reports; its home and satellite policies in Hungary, Poland, the Balkans and China. Prerequisites: Ec 33, 34, 151, 188.
195. REBUILDING THE SOCIAL ORDER. Two credit hours. Rebuilding the social order; the Catholic social movement; the Papal social program; ineffective remedies; state and social reconstruction; practical programs of action. (So 195)
197. TUTORIAL COURSE. Two or three credit hours. Special reading and study for advanced students.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in economics. Prerequisites: Ec 33, 34, 123, 151 and 161 or 162.

## Education (Ed)

Staff: DR. MCCOY, *chairman*: MR. CLARKE, MR. FRASER,  
DR. HAMEL, MR. LAGRANGE, MR. SOMMER, MR. WULK.

The courses in education, planned for the expressed purpose of providing the required standard preparation for teaching in secondary schools, are open to students majoring in any department.

Courses constituting the minimum professional requirements for high-school certification in Ohio are:

1. For the teaching of any subject — Ed 81, 82, 101, 102 and 103.
2. For teaching physical education — Bl 9, 10, Ed 63, 64, 161, 162, 165, 166, 167 and 168 in addition to above.

Students desirous of meeting professional requirements of other states, should obtain an official statement of specific requirements from the Department of Education of their respective states, and consult the chairman of the department before registering for courses in education.

Bl 9 and 10 will be offered every other year in alternation with Ps 31 and Pl 34 in the freshman-sophomore program.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

- 31. PRINCIPLES OF EDUCATION. Three credit hours. A consideration of the aims and objectives of education; a brief survey of the major philosophies of modern education, and the specific functions of the several levels of education in which the principles of secondary education are emphasized.
- 32. EDUCATIONAL PSYCHOLOGY. Three credit hours. A study of the results and methods of experimental psychology which contribute to an understanding of human development and learning. (Ps 32.) Prerequisite: Ps 31.
- 63, 64. THEORY AND PRACTICE OF PHYSICAL EDUCATION. Four credit hours. A laboratory and lecture course covering the materials and methods of teaching physical education emphasizing apparatus, stunts, tumbling, swimming, rhythmic activities, wrestling, boxing, badminton and handball. Efficiency in demonstration is achieved through individual participation in all activities. Six hours per week for two semesters.

### *Upper Division Courses*

- 101. METHODS OF HIGH SCHOOL TEACHING. Three credit hours. Application of psychological principles to teaching at the high-school level. Methodology applicable to high-school teaching in general. Methods best suited to each of the major content fields. Practice in constructing teaching units.
- 102. EDUCATIONAL ADMINISTRATION, ORGANIZATION, AND MANAGEMENT. Three credit hours. Relationship between Federal Government, the State, and local school units. Faculty, student, and parent inter-relationships. The school plant. Management of the individual classroom.

103. **STUDENT TEACHING.** Three or five credit hours. The student plans and conducts high-school class under the supervision of a critic teacher for one semester. Credit is awarded in accordance with the number of class hours taught each week (three or five).
110. **HISTORY OF EDUCATION.** Two or three credit hours. A brief survey of educational theory, institutions, and practice during ancient and modern times with special emphasis on contemporary education.
121. **THE EFFECTIVE SECONDARY SCHOOL.** Two credit hours. Aims of secondary education. The contribution of individual subjects to general aims. Classroom techniques for implementing these aims and objectives. Evaluation of secondary school achievement.
124. **PROFESSIONALIZED ENGLISH.** Two credit hours. The methods and principles of teaching applied to the subject matter of English at the high-school level — grammar, mechanics, punctuation, spelling and literature.
134. **PSYCHOLOGY OF THE ELEMENTARY SCHOOL CHILD.** Two credit hours. Observational and experimental data relating to the psychological development of children. Important studies of childhood, development of motor activity, social reactions, play, learning and intelligence at this level. (Ps 134.)
135. **PSYCHOLOGY OF THE ADOLESCENT.** Two credit hours. Inter-related physical, physiological, and mental changes associated with adolescence. Interests and ideals. Social tendencies and adjustments. Causes of maladjustment and delinquency among adolescents. (Ps 135.)
136. **ABNORMAL PSYCHOLOGY.** Two credit hours. Backgrounds of personality maladjustments and abnormalities especially as found among children of school age. Discussion of certain preventive and remedial approaches. (Ps 136.)
137. **INDIVIDUAL MENTAL TESTING.** Two credit hours. Study and analysis of individual mental testing techniques. Stanford Revision of the Binet-Simon tests and the Bellevue Wechsler Battery used. A minimum of twelve individual Binet examinations required. (Ps 137.)
142. **MENTAL HYGIENE.** Two credit hours. The social consequences of poor mental health. The concept of adjustment. Consideration from a genetic point of view of factors contributing to mental health. (Ps 142.)

153. PSYCHOLOGICAL EXPERIMENTS IN LEARNING. Two credit hours. Repeating in the psychological laboratory some of the classic experiments including human learning, learning curves, efficiency and transfer of training. (Ps 153).
161. ADMINISTRATION, ORGANIZATION AND PRINCIPLES OF PHYSICAL EDUCATION. Three credit hours. A study of the objectives and content of a health and physical education program in the high school emphasizing methods of departmental organization, selection of activities, equipment, medical examinations, class records, intramural programs, financial management, and state requirements.
162. HEALTH EDUCATION. Three credit hours. Methods and materials in teaching health, including the evaluation and selection of health material.
- 165, 166. INTERSCHOLASTIC AND INTRAMURAL COACHING. Four credit hours. Fundamental principles of each sport with demonstrations. First semester: football and basketball. Second semester: baseball, track, tennis, golf, and soccer. Two semesters.
- 167, 168. HEALTH AND HYGIENE. Four credit hours. The subject matter of health and hygiene. Volunteer municipal, state and national public health organizations. Problems of healthful school living, safety education, health instruction including athletic injuries and first aid. Two semesters.
198. TUTORIAL COURSE. Credit to be arranged. Special reading and directed study for advanced students.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in education.

## GRADUATE DIVISION

The Department of Education of the Graduate Division is organized to offer the in-service teacher or school administrator opportunities for advanced professional training through individual courses or through balanced programs leading to the Master of Education degree. Staff members of the department are available to the school administrator or teacher for informal conference and assistance on practical problems in the field.

Students selecting courses to be submitted for the Master's degree must include the four survey courses — Ed 201, 203, 205 and 207 — in their programs. Students planning to present, as an area of

concentration, 12 credit hours in elementary education, secondary education, educational guidance, or educational administration shall select courses in these fields. While the course title will generally indicate the area of concentration to which the course may be applied, some courses may be equally pertinent to several areas. For example: Ed 135, Psychology of the Adolescent, may be applied with equal validity either to the area of guidance or to secondary education. It is important, therefore, that approval for all courses selected for application to a given area of concentration be secured from the chairman of the department *prior to registration*.

The following is a listing of regularly offered courses. Not all courses are available in a given year, but during a student's period of study all will ordinarily be offered. The department plans to present courses on particular phases of education conducted by guest instructors of prominence. Such courses will be announced from time to time through a special brochure and the press.

*Required of all Candidates for M.Ed. Degree*

201. PHILOSOPHY OF EDUCATION, A SURVEY. Three credit hours. The historical development of educational philosophy and theories. Evaluation of major current philosophies. Significant problems of the present day with special emphasis on the elementary and secondary levels.
203. EDUCATIONAL PSYCHOLOGY, A SURVEY. Three credit hours. Major issues in the field of methods and educational psychology. The learning process. Factors influencing learning. The nature and extent of individual differences.
205. EDUCATIONAL ADMINISTRATION, A SURVEY. Three credit hours. The relationships of the federal government, the state, and the local government to public and private education. The function of accrediting agencies with discussion of present trends in accreditation. Effective organization of the individual elementary and secondary school.
207. EDUCATIONAL RESEARCH FROM THE CONSUMER POINT OF VIEW, A SURVEY. Three credit hours. Major techniques and methods of educational research. Comprehension of statistical terminology of research. Specific techniques and guides for efficiently locating educational research on a given problem.



*Open to Graduate Students and Advanced Undergraduates*

(For course descriptions, see pp. 130, 131.)

- 110. HISTORY OF EDUCATION. Two credit hours.
- 121. THE EFFECTIVE SECONDARY SCHOOL. Two credit hours.
- 124. PROFESSIONAL ENGLISH. Two credit hours.
- 134. PSYCHOLOGY OF THE ELEMENTARY SCHOOL CHILD. Two credit hours. (Ps 134.)
- 135. PSYCHOLOGY OF THE ADOLESCENT. Two credit hours. (Ps 135.)
- 136. ABNORMAL PSYCHOLOGY. Two credit hours. (Ps 136.)
- 137. INDIVIDUAL MENTAL TESTING. Two credit hours. (Ps 137.)
- 142. MENTAL HYGIENE. Two credit hours. (Ps 142.)

*Open to Graduate Students Only*

- 211. THE EFFECTIVE ELEMENTARY SCHOOL. Two credit hours. Aims of elementary education. Specific objectives of primary and upper-elementary divisions. Classroom techniques for realizing these objectives. Evaluation of elementary achievement.
- 212. CURRENT PROBLEMS OF ELEMENTARY EDUCATION. Two credit hours. A seminar in the critical analysis of recent investigations and reports on current problems of elementary education. Emphasis on specific applications.
- 213. TEACHING THE BASIC SKILLS IN THE ELEMENTARY SCHOOL. Two credit hours. A study of instructional techniques for the teaching of reading, writing, spelling and arithmetic; classification by grade in relation to achievement standards, and drill in the elementary school.
- 222. CURRENT PROBLEMS OF SECONDARY EDUCATION. Two credit hours. A seminar in the critical analysis of recent investigations and reports on current problems of secondary education. Emphasis on cooperative studies and their specific applications.
- 223. THE EVALUATION OF THE SECONDARY SCHOOL. Two credit hours. Present trends in accreditation of secondary schools critically examined in the light of philosophy of secondary education.

231. **PSYCHOLOGICAL AND ACHIEVEMENT TESTING.** Two credit hours. The theory of testing. Limitations and interpretation of tests. Classroom testing with practice in test construction. Testing for diagnosis. Testing general and special abilities.
232. **EDUCATIONAL AND VOCATIONAL GUIDANCE.** Two credit hours. Education as guidance. The school's responsibility for moral, social, and vocational guidance. Essentials of an adequate guidance program.
233. **COUNSELLING PRINCIPLES AND TECHNIQUES.** Two credit hours. Theory of counselling. Case method. Relationships to testing and to other sources of data. Interviewing. Place and value of records. Clinical procedures.
238. **CLINICAL EXPERIENCE.** Two to four credit hours. A laboratory course. Individual tests at Child Guidance Clinic. Observation and interpretation of children tested under supervision. Prerequisite: Ed 237.
239. **LABORATORY IN GUIDANCE.** Two credit hours. Opportunities for applying principles covered in Ed 233 which is prerequisite. Studies of individual pupils offering practice in collecting pertinent data, interviewing, recording, diagnostic use of test findings, inter-agency collaboration, corrective and preventive measures, etc. Meetings held at Catholic Guidance Clinic.
241. **ADMINISTRATION OF THE ELEMENTARY SCHOOL.** Two credit hours. Criteria for an effective elementary school organization. Patterns of school organization. The school staff. Classification, evaluation, attendance, and health of elementary school children. Relations between school and home.
242. **ADMINISTRATION OF THE SECONDARY SCHOOL.** Two credit hours. Organization of secondary schools. Techniques of schedule-making. The high-school plant. Pupil management. Examinations, marking, and credit. Community relations.
248. **SUPERVISION OF INSTRUCTION.** Two credit hours. Consideration of merits and limitations of techniques of improving instruction through supervision. Includes observation of instruction, individual teacher conferences, group conferences, rating of teaching efficiency, demonstration teaching, inter-school visitation, professional reading, advanced university training.

244. CURRICULUM DEVELOPMENT. Two credit hours. The desirable course of study. Committee technique of curriculum development. Production of courses of study. Examination and critical analysis of selected new courses of study. Factors necessitating continuous curriculum revision.
251. RESEARCH ON SELECTED SCHOOL PROBLEMS. Two credit hours. Advanced students who have completed the four survey courses may register for this course. They may pursue individual research on some problem in their major or minor areas of concentration. Each student registering for the course will be assigned to a faculty adviser who will approve the problem investigated, advise him as to techniques to be used, and approve or reject the completed research report.
261. EDUCATIONAL SOCIOLOGY. Two credit hours. The educational implications of stable and changing social forces as they affect the individual. Social organization; community analysis. The Christian home; the larger social units. The school in relation to other community social agencies.
270. AUDIO-VISUAL AIDS TO EDUCATION. Two credit hours. A course in communications arts reviewing the history of communication — its development, significance and promise. A study and examination of television, radio, the movie, wire and record-making machines, and the phonograph as means of understanding and communication.
275. EDUCATION FOR IMPROVED HUMAN RELATIONS. Two credit hours. A course in the development of human understanding and appreciation. Class discussion and study of the broad problem of human relations and tensions within our society. Films, recordings and guest speakers accent the course.
276. EDUCATION FOR INTERNATIONAL UNDERSTANDING. Two credit hours. Consideration of specific problems showing how schools can effectively contribute to international understanding. Group effort to develop possible course of study materials. Emphasis on UNESCO and its program.
280. REMEDIAL READING. Two credit hours. The reading process. Reading disability and its psychological problems. Diagnosis of disability. Remedial instruction. (Ps 280.)

298. SPECIAL STUDY. Two or three credit hours.
299. MASTER'S THESIS. Six credit hours. For students desiring a program leading to the degree of Master of Arts.

### English (En)

*Staff:* DR. WHEELER, *chairman:* FR. ALLEN, MR. BEUMER, MR. DIAL, FR. DIMOND, MR. L. FELDHAUS, MR. GARTNER, MR. GILLIGAN, MR. GLENN, MR. HELMES, MR. KOESTER, MR. MAUPIN, MR. A. NOLAN, MR. J. NOLAN, FR. RYAN, MR. C. SELZER, FR. SULLIVAN, FR. SWEENEY, FR. UHL, FR. WENZEL, DR. WILLER.

It is the obligation of the department to imbue the student with a practical knowledge of the principles of effective composition; to acquaint him with the treasures of literature, and to foster sound critical literary judgment.

In En 3, 4, a first-year requirement, the student concentrates upon composition while he reads and analyzes narrative and expository prose.

En 31, 32, intended as general courses in English and American literature, are departmental requirements for graduation.

It is recommended that the major or minor in English include En 111, 141, 150 and 180.

The student majoring in English will be expected to consult the chairman of the department at least once each semester. Ordinarily, En 199 will be completed during the final semester of study.

Clear and forceful expression is one of the major objectives of education. The ability to speak and write at the college level, therefore, is demanded of all Xavier students. Deficiencies and carelessness in the use of English in term papers, examinations, and oral reports will not be tolerated in any department. As often as it becomes necessary, students will be required to do remedial work in communication in any year of their courses.

Particular attention is called to the following regulation passed by the Academic Council, November 28, 1950:

\* The violation of any of the **ESSENTIALS FOR WRITING** (list submitted by the Department of English) in term papers or reports submitted by students to any professor must be penalized by a reduction in grade. Any unsatisfactory term paper or report submitted to any professor must be returned for re-writing and must be automatically penalized by the reduction of one letter in grading, e.g., a B paper automatically becomes a C paper.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

- 1, 2. CORRECT ENGLISH. No credit. A refresher course in the study of syntax, spelling, punctuation, idiomatic usage, pronunciation, sentence structure, the paragraph, diction, and theme building. Two semesters.
3. ENGLISH COMPOSITION. Three credit hours. A study of exposition. The technique of expository writing, and a study of the development of the essay will be included.
4. ENGLISH COMPOSITION. Three credit hours. A continuation of En 3. A study of argumentation and description with major emphasis on narration; the analysis of selected prose fiction.
5. NEWS WRITING. Two credit hours. A consideration of various types of news stories, their sources, values, and methods of writing.
6. NEWSPAPER REPORTING. Two credit hours. A study of methods employed by reporters in getting and in reporting news.
- 21, 22. BUSINESS ENGLISH. Four credit hours. The survey and practice of the fundamentals of correct and effective letter writing, types of business correspondence and the construction of business reports. Two semesters.
31. STUDIES IN LITERATURE. Three credit hours. Discussion and critical evaluation of narrative and lyrical compositions of English and of American poets. Required for graduation.
32. STUDIES IN LITERATURE. Three credit hours. Discussion and critical evaluation of representative plays by English and American dramatists. Required for graduation.

### *Upper Division Courses*

101. CREATIVE WRITING. Three credit hours. A course designed for guidance in the assembling, organization and written expression of the results of investigation and evaluation; a determination of methods of composition used in contemporary periodicals; closely supervised creative work. By permission only.
102. CREATIVE WRITING. Three credit hours. A continuation of En 101.

103. EDITORIAL WRITING. Two credit hours. A study of the editorial — its function, make-up, and place in the newspaper; the editorial writer — his responsibility to society and opportunity for constructive service.
106. FEATURE ARTICLES. Two credit hours. A study of newspaper and magazine special feature articles — their types, sources, titles and illustrations.
- 107, 108. PUBLICITY: PUBLIC RELATIONS. Four credit hours. Two semesters.
111. AESTHETICS AND LITERARY CRITICISM. Three credit hours. A presentation of the philosophical basis of aesthetics; elements of taste; aesthetic effects; critical standards and schools of criticism.
112. POETRY. Three credit hours. Given at Milford College.
114. DEVELOPMENT OF ENGLISH PROSE. Three credit hours. An analysis of the development of forms, thought currents and style in English prose from Lyly to the present. Given at Milford College.
116. ORATORY. Three credit hours. This course includes an historical survey of oratory, the analysis of some orations, and an outline of the theory of oratory. Practice in writing and delivering formal and informal addresses will be afforded. Given at Milford College.
121. MODERN DRAMA. Three credit hours. A course confined to English and American drama with emphasis on reading, influences, technique and development.
122. ENGLISH DRAMA. Three credit hours. Given at Evening College.
123. AMERICAN DRAMA. Three credit hours. Given at Evening College.
125. THE SHORT STORY. Three credit hours. This course presents the principles of story writing and the evolution of the American, the English, and the continental short story. The technique of the more important writers will be analyzed.
130. THE NOVEL TO 1930. Three credit hours. A review of the novel from its beginnings to 1930. Emphasis will be placed on the novel as a type and as a reflection of the age in which it was written.

131. THE NOVEL AFTER 1931. Three credit hours. A continuation of En 130.
132. THE CONTEMPORARY NOVEL. Three credit hours.
136. WORLD LITERATURE: MIDDLE AGES. Three credit hours. A study of Dante and the *Divine Comedy*. Given at Evening College.
137. WORLD LITERATURE. Three credit hours. General studies based upon translations of standard works of Greek, Latin, Oriental, Italian, French, German, Spanish, and Russian literature.
- 138 a. THE BIBLE: OLD TESTAMENT. Two credit hours. The historical, lyrical and prophetic writings of the Hebrews in translation.
- 138 b. THE BIBLE: OLD TESTAMENT. Two credit hours. A continuation of 138 a.
139. THE BIBLE: NEW TESTAMENT. Two credit hours. The historical, epistolary and prophetic writings of the Evangelists in translation.
140. ANGLO-SAXON. Six credit hours. After the necessary study of linguistic forms, the lyrics, chronicles, and *Beowulf* will be read in the original. Two semesters.
141. SURVEY OF ENGLISH LITERATURE. Three credit hours. A study of English literature — its periods, ideas, forms of expression and the life reflected.
142. SURVEY OF ENGLISH LITERATURE TO 1750. Three credit hours. A course of similar content, but considerably more in detail than En 141.
143. SURVEY OF ENGLISH LITERATURE SINCE 1750. Three credit hours. A continuation of En 142.
144. MEDIEVAL ENGLISH LITERATURE. Three credit hours. Primarily a non-linguistic survey of English literature from the beginnings to 1500 with special emphasis on the years between 1200 and 1400. Translations combined with a limited amount of reading in the original language.
145. CHAUCER. Three credit hours. An analysis of *The Canterbury Tales* and a study of sources emphasizing the language and life of fourteenth century England. Collateral readings.

147. THE ENGLISH RENAISSANCE. Three credit hours. Literature of early Tudor humanism, 1485-1534, of the interim of religious controversy, 1535-1557, and of the emergence of the Elizabethan theater, 1558-1603.
150. SHAKESPEARE. Three credit hours. An introductory study of Shakespeare — his life and influence — with consideration of sources. About ten representative plays will be studied; others, assigned as supplementary reading.
151. SHAKESPEARE. Three credit hours. Plays to be studied will be chosen from the periods during which Shakespeare composed his historical plays and his comedies. Given at the Evening College.
152. SHAKESPEARE. Three credit hours. A continuation of En 151, but devoted to the tragedies and plays of the final period. Given at the Evening College.
155. MILTON. Four or six credit hours. A study of *Paradise Lost*,  
156. *Paradise Regained*, *Sampson Agonistes*, shorter poems and some prose. Two semesters. Separate credit given for each course.
157. THE SEVENTEENTH CENTURY. Three credit hours. A study of English prose and poetry, exclusive of Milton, from Bacon to 1700.
160. THE EIGHTEENTH CENTURY. Three credit hours. A study of English neo-classicism, 1700-1750, emphasizing the poetry; the rising periodical; the satire; religious and political controversial literature; the rise of the novel.
165. THE ROMANTIC MOVEMENT. Four or six credit hours. A  
166. study of English life and thought, 1750-1830. Readings from the forerunners of romanticism; from Burns, Blake, Cowper, Crabbe, Wordsworth, Coleridge, Keats, Byron, Shelly, and Scott; from essayists Lamb, Hunt and Southey. Two semesters. Separate credit given for each course.
170. VICTORIAN POETRY. Three credit hours. English life and thought, 1830-1900, illustrated by the study of Tennyson, the Brownings, the Rossettis, Morris, Swinburne, Arnold, Meredith and other poets.
171. VICTORIAN PROSE. Three credit hours. A continuation of En 170 in purpose. Readings selected from Carlyle, Ruskin, Newman, Arnold, Huxley, Dickens and Thackeray. Lesser essayists and novelists surveyed by lectures.



175. MODERN PROSE. Three credit hours. A study of representative English and American prose since 1900. Selected readings from the novel, short story, essay, drama and biography. Given at the Evening College.
176. MODERN POETRY. Three credit hours. British and American poetry from the late nineteenth century to the present, with a study of influence on the twentieth century poetry, and an evaluation of movements and poets according to principles studied in En 31.
180. SURVEY OF AMERICAN LITERATURE. Three credit hours. A study of American literature — its periods, ideas, forms of expression and reflection of life.
183. THE AMERICAN NOVEL. Three credit hours. A study of the American novel — its development, picturization of national life, philosophical implications and value as an art form.
- 188, 189. CATHOLIC LITERATURE. Four or six credit hours. Reading and analysis of the worth of literature vibrant with the Catholic spirit. Two semesters. Separate credit given for each course.
190. NEWMAN: THE IDEA OF A UNIVERSITY. Two or three credit hours. A true revelation of Newman's position in the educational life of his day and later, together with a study of *The Idea of a University* — its philosophical basis enhanced by its literary and religious aspects.
192. CHESTERTON. Two credit hours. A study of the life and work of Gilbert K. Chesterton as a man of letters and as an able expositor of the Catholic faith.
194. TUTORIAL COURSE. Credit to be arranged. Directed undergraduate reading and research for the writing of term papers and other major assignments.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in English.

## GRADUATE DIVISION

At least one-half of the work presented for the Master's degree is to be done in the following courses which are open only to graduate students. Since the work in seminars usually differs each time the course is presented, students may register twice for such seminars, but not more than twice. When a seminar is repeated, the letter "a" will signify the first presentation, and "b" the second.

201. INTRODUCTION TO GRADUATE STUDY IN ENGLISH. Three credit hours. Criticism and research; their relation to each other, their bibliography and methods. Brief survey of sciences which may be of help to the literary student: calligraphy, history, paleography, philology and the like.
230. THE NOVEL. Three credit hours. A seminar planned for intensive study of the work of selected novelists of a given period.
237. BIBLICAL BACKGROUNDS. Three credit hours. Intensive study of certain literary influences and relationships between the Bible and English literature. A seminar.
244. MEDIEVAL LITERATURE. Three credit hours. A seminar in certain aspects of medieval thought.
245. CHAUCER. Three credit hours. A seminar in certain aspects of Chaucer's work.
247. EARLY TUDOR LITERATURE. Three credit hours. Intensive study of certain aspects of literature between 1485 and 1550. A seminar.
248. ELIZABETHAN LITERATURE. Three credit hours. A seminar in certain aspects of Elizabethan thought.
250. SHAKESPEARE. Three credit hours. A seminar in some problems raised in Shakespeare's work.
255. MILTON. Three credit hours. An intensive study of Milton's *Paradise Lost*, *Paradise Regained*, *Sampson Agonistes*, shorter poems, certain prose works, and authoritative critical opinion. A report on some aspect of Milton's work is required.
257. SEVENTEENTH CENTURY LITERATURE. Three credit hours. A seminar in certain aspects of thought prevalent during the Puritan Regime and the Restoration.
260. EIGHTEENTH CENTURY LITERATURE. Three credit hours. A seminar in certain aspects of thought prevalent during the eighteenth century.
265. ROMANTICISM. Three credit hours. A seminar in certain aspects of literature of the Romantic Movement.
270. VICTORIAN POETRY. Three credit hours. A seminar in certain aspects of poetry of the Victorian age.

- 271. VICTORIAN PROSE. Three credit hours. A seminar in certain aspects of prose of the Victorian age.
- 280. AMERICAN LITERATURE. Three credit hours. A seminar in some aspects of thought in the work of selected American authors.
- 283. AMERICAN ROMANTICISM. Three credit hours. A seminar in some aspects of thought in the work of selected American romantics.
- 299. MASTER'S THESIS. Six credit hours.

### Speech Arts (Ex)

Courses in the speech arts are administered by the Department of English which offers to students the possibility of minoring in this area. Ordinarily the minor in speech arts will be open only to students whose major is English. Upper division courses in speech arts may be elected by any students who have fulfilled lower division requirements in English and speech (En 3, 4, 31, 32 and Ex 1).

#### *Lower Division Courses*

- 1. PRINCIPLES OF SPEECH. One to three credit hours. A study of elemental factors governing good speech content and speaking habits in address; organization and development of ideas; correct and distinct oral diction, vocal form, posture, platform manners.
- 2. PRINCIPLES OF SPEECH. One to three credit hours. A continuation of Ex 1 with practice in the various types of public address.
- 3. ADVANCED EFFECTIVE SPEECH. One or two credit hours. An advanced critical study of speech structure, style, and delivery in formal platform address.
- 4. ADVANCED EFFECTIVE SPEECH. One or two credit hours. A continuation of Ex 3.
- 5. PULPIT ADDRESS. Two credit hours. The elements of pulpit address. Given at Milford College.
- 6. PULPIT ADDRESS. Two credit hours. A critical study of sermon structure, style, and delivery. Given at Milford College.

7. PRINCIPLES OF VOICE PRODUCTION. Two credit hours. A course offering general principles of voice production, including breathing, control and placement with exercise for practice and individual attention to private needs and problems. Prerequisite: Ex 1.
31. PRINCIPLES OF DEBATE. Two credit hours. An introductory course in the purpose, nature and technique of Debate. Particular stress is laid on case analysis, case preparation, argumentation, evidence and refutation. Principles of speech developed in Ex 1 are applied to the special technique of debate delivery. One semester.

#### *Upper Division Courses*

101. ACTING TECHNIQUE. Three credit hours. A basic course designed to develop young student actors by means of exercises in pantomime, improvisation and general movement. Student workshop in scenes, character development and make-up.
102. DIRECTING. Three credit hours. A course designed primarily for beginners in the technique and principles of directing, which will include techniques of realism and stylization with workshop productions directed by students with supervision by faculty.
103. STAGECRAFT. Three credit hours. A practical study of scenic design, building of scenery, lighting, etc.
104. PLAY PRODUCTION. Three credit hours. A fundamental course in the production of plays, including choice of play, casting, rehearsals, business management, etc.
105. DEVELOPMENT OF DRAMATIC FORM. Three credit hours. A survey course in the history and development of the dramatic form from the Greek through Shakespeare.
106. PLAYWRITING. Three credit hours. General principles of playwriting with emphasis placed on the one-act form and developing into the three-act form. Practical studies in development of plot, characters, and dialogue.
110. PLAY PRODUCTION WORKSHOP. Six credit hours. The workshop is specifically designed to provide those interested in high-school dramatic work with theory and practice in producing plays. The workshop day consists in part of lectures on the theory of directing, acting technique, and

stagecraft. The remainder of the day is given over to actual play production in which participants practice directing, acting, and scenery construction. Summer sessions.

## Geography (Gg)

These courses are offered for the purpose of augmenting the student's background in economics, science and education.

### *Lower Division Courses*

1. ELEMENTS OF GEOGRAPHY. Three credit hours.
2. WORLD GEOGRAPHY. Three credit hours. A study of space and distance relations on the earth; the distribution of natural features, resources, population; major commodities; transportation; world trade.

### *Upper Division Courses*

115. ECONOMIC GEOGRAPHY. Three credit hours. (Ec 115.)
120. GEOGRAPHY OF EUROPE. Three credit hours.
160. GEOGRAPHY OF LATIN AMERICA. Three credit hours.

## History and Political Science

*Staff:* FR. SHIELS, *chairman:* FR. CONRY, FR. LINK, MR. GOODMAN, MR. PETERS, FR. RYAN.

*Graduate Fellows:* MR. PENDERGEST, MR. RATERMAN.

The Department of History and Political Science offers a major toward the Bachelor's and Master's degrees. The former study requires seven semester courses beyond Hs 7-8 which are prerequisite to all *upper division* work, and includes of necessity Hs 194 which must be taken by all history majors in the first semester of their senior year. The latter demands six courses beyond the introductory study of government, Po 1-2. In each a comprehensive examination taken in conjunction with Hs 199 or Po 199 qualifies the student for the undergraduate major.

History is studied as a liberal art for its primary value of training toward proper appreciation of human living. Its insistence on accurate detail, on proof, and on the relation of cause and effect, cultivates habits of mature judgment. It helps toward developing due respect

and sympathy for others, and supreme regard for the final purpose of life.

Political science aims to produce a deep understanding of the functions and processes of political power, of the place of authority in society, of the use of freedom in human relations. Regard for institutional practice, to conserve freedom and employ sound social forces toward the perfecting of political action, is a prime purpose in this field. The American constitutional system will be given particular attention.

All courses preceded by an asterisk (\*) are applicable toward a degree in political science.

## History (Hs)

### UNDERGRADUATE DIVISION

#### *Lower Division Courses*

1. MODERN EUROPE, 1500-1830. Three credit hours. Given at Milford College.
2. MODERN EUROPE, 1830-1939. Three credit hours. Given at Milford College.
6. SURVEY OF GREEK AND ROMAN HISTORY. Three credit hours. The achievements of the Age of Pericles, Plato, and the Sophists; Alexander and the spread of Hellenism; the Roman Republic and the Augustan Era. Emphasis is placed upon culture and literature. Given only at Milford College.
7. EUROPE TO 1500. Three credit hours. A broad survey of the growth of European society and culture from the beginning to the opening of modern times.
8. EUROPE SINCE 1500. Three credit hours. A continuation of the survey of Western civilization from the discovery of America to the present time.

#### *Upper Division Courses*

101. HISTORY OF ANCIENT GREECE. Three credit hours. A study of the first European civilization, its forerunners, growth, expansion and merging with Roman culture.
102. HISTORY OF ANCIENT ROME. Three credit hours. The rise and development of the foremost political creation of antiquity. The dissolution of Rome. Great Roman institutions and cultural monuments.

103. CRITICAL PERIODS OF ANCIENT HISTORY. Three credit hours. A topical study of Pericles, Plato, Alexander, Augustus and Diocletian.
104. CHRISTIAN ANTIQUITY. Three credit hours. The birth and early development of the Christian society through the Patristic age.
- \*105. CONSTITUTIONAL HISTORY OF ROME. Three credit hours. A study of the origins and development of Roman political institutions. Assigned readings in various primary and secondary sources. (Lt 105.)
111. EARLY MIDDLE AGES, 300-1154. Two or three credit hours. Social and cultural change from the Dark Ages to the renaissance of the twelfth century.
112. LATER MIDDLE AGES, 1154-1492. Two or three credit hours. The rise of medieval society in its more notable institutions. Social organization. Political and cultural achievements. The beginnings of secularism. The decline. The preparation for modern times.
119. RENAISSANCE AND HUMANISM. Two or three credit hours. Climax of middle age achievements in fine arts, development of wealth, expansion of town life. Shifting patterns in government. Critical spirit and return to classical norms. Changes in education.
121. RELIGIOUS UPHEAVAL OF THE SIXTEENTH CENTURY. Two or three credit hours. Individualism supplants social outlook. Factors in the divisive movement that split Christianity. Catholic reform.
124. FRENCH REVOLUTION. Three credit hours. Causes of the modern revolutionary spirit. Philosophes and bourgeois radicals. Constitutions and oppositions. Napoleon and Pitt.
125. REACTION AND REVOLUTION IN WESTERN EUROPE, 1800-1848. Three credit hours. A course designed to show the continuity of forces from Hs 124 to the union of Nationalism and Imperialism. Vicissitudes of the Concert of Europe.
126. EUROPE FROM 1848 TO 1914. Three credit hours. Two generations of material progress and social ferment. Nationalistic rivalries, imperialistic policies, *Realpolitik*. Peace efforts.

129. EUROPE SINCE 1914. Three credit hours. War, exhaustion, renewed imperialism. National dictatorships, attempted world-wide alignments on ideological grounds. Economic chaos. New scientific attacks on religion. Universal war. Reconstruction efforts. A world divided.
131. ENGLAND TO 1603. Two or three credit hours. England from primitive times through Roman and medieval cultural development. Alignment against Latin countries. New economic bases. Tudor fixations in national tradition.
132. ENGLAND SINCE 1603. Two or three credit hours. New struggle for constitutional government. Rise and effects of the Industrial Revolution. Political domination of the world. Crises born of two world wars.
133. ANGLO-SAXON ENGLAND. Three credit hours. A study of the civilizing of England after Rome fell, until the Norman invasion. Common law and kingship. Schools and letters. Danish influences. Monastic foundations.
- \*135. ENGLISH CONSTITUTIONAL HISTORY. Three credit hours. An examination of the ideas and human forces that gave the English people their special political character, the evolution of the national parliament, and English liberties.
136. ENGLISH SOCIAL AND ECONOMIC HISTORY. Three credit hours. A study of feudalism and the manor; commerce and medieval towns; colonial expansion; Tudor economic changes; and transformations of the Industrial Revolution. Prerequisite: Hs 135.
140. HISTORY OF AMERICAN POLITICAL PARTIES. Three credit hours. (Po 140.)
141. THE UNITED STATES, 1763-1865. Three credit hours. The break from England. Confederation and Constitution. Federalists, Jeffersonian and Jacksonian democracy. The Tragic Era. Graduate credit not given.
142. THE UNITED STATES, 1865-19—. Three credit hours. A study of reconstruction and national expansion; the rise of cities; the United States as a world power. Graduate credit not given.
143. FORMATIVE YEARS OF THE REPUBLIC. Three credit hours. A study of the process that bound together the thirteen colonies into a national state; immigration; the westward movement; territorial growth; industry and agriculture; education and political maturity.



144. SECTIONALISM, 1825-1861. Three credit hours. A presentation of opposing groups and interests; statesmen and constitutional discussion; rising industry in the North; widening western influence; the entrenched South; factors preventing unity; the clash of wealth and ideas.
145. CIVIL WAR AND RECONSTRUCTION, 1861-1885. Three credit hours. The War. Healing war wounds. Railroad development. Western State growth. A "New South." Republican hegemony in national politics. Higher education. Immigration impacts. Rise of labor.
146. HISTORY OF THE WEST, 1500-1783. Three credit hours. A study of the westward movement, since the discovery of America, as a profound influence in forming the character of a nation; English, French and Spanish contributions to our national heritage; discovery and exploration; the peopling of the virgin land; origins of American government.
147. HISTORY OF THE WEST, 1783-19—. Three credit hours. A continuation of Hs 146 through the process of occupying the entire national territory and emphasizing state-making; cultural patterns; paternalism and hardy pioneers; repeated frontier experiences; the Far West, and the making of an American as he is today. Prerequisite: Hs 146.
- \*148. CONSTITUTIONAL HISTORY OF THE UNITED STATES. Three credit hours. The elements of constitutional thinking and action in colonial times. The making of the federal constitution. Amendments, interpretations. Changing attitudes due to new conditions of life and vagaries of ideology.
149. THE CATHOLIC CHURCH IN THE UNITED STATES. Three credit hours. The origin, difficulties, expansion, consolidation, influence and progress of the Catholic life. Internal and external opposition. Catholic education, and complete participation in American life.
150. THE HISTORY OF OHIO, 1761-19—. Three credit hours. A course in the geography, early travels, Indian troubles, land companies, city and town beginnings, constitutional and political development, culture, education and social character of the state.

151. COLONIAL HISPANIC AMERICA, 1492-1810. Three credit hours. A course emphasizing the empires of Spain and Portugal in America; their explorers; cultural and economic patterns; administration; the mission as a basic colonial factor; the effect of the Napoleonic Wars on trade barriers and viceregal rule; decision for independence.
152. REPUBLICAN HISPANIC AMERICA, 1810-19—. Three credit hours. The wars of independence. Forming the governments. Constitutional problems, especially of State control over religion. Flourishing arts and letters. Foreign influences in economic life. International law. Democratic thought and processes.
153. HISTORY OF MEXICO. Three credit hours. Archaeology. Native races. In the Spanish empire. Fusion of cultures. A broad land. Expansion, then independence. Administrative troubles. Foreign relations. Losses to the United States. Juarez and anticlericalism. Diaz and dictatorship. Carranza and "The Revolution."
161. HISTORY OF SPAIN. Three credit hours. Spain is studied as a parent nation in forming America and as a vigorous part of the European drama. Prehistoric relics. Roman Spain. Visigothic and Moorish cultures. The Reconquest. Empire. Recession and modern problems.
166. THE RUSSIAN STATE. Three credit hours. From Vladimir and Kiev to Stalin. Early contact with Byzantium. Mongol invasion. Rise of the Romanovs. Westernization conflicts with oriental tradition. Industrial Revolution. Social and political unrest. Scientific and cultural advances. Outbreak of the Red Revolution. Present position in the world.
- \*171. INTER-AMERICAN RELATIONS, 1800-1903. Three credit hours. The story of the United States' dealings with Canada and the Latin American countries from Washington to Theodore Roosevelt, and of the main affairs between those countries in that period. The making of the Panama Canal, and the outcome. Origin of the title, "Colossus of the North." The Monroe Doctrine in this story.
172. INTER-AMERICAN RELATIONS, 1903-19—. Three credit hours. The chief foreign problems of the American countries, and their dealings with the United States. Unity and cooperation. Interventions, international conventions, unity of action in progressive steps. "The Good Neighbor Policy." Political geography in the background of these affairs.

- \*173. U. S. FOREIGN RELATIONS TO 1900. Three credit hours.
- \*174. U. S. FOREIGN RELATIONS SINCE 1900. Three credit hours.
- \*177. CONTEMPORARY PROBLEMS OF WORLD PEACE. Three credit hours. Political, economic, social adjustment. The plans of the leading parties. Foci of difficulty. Forces urging harmony. New American seriousness over international responsibilities. Occupied territories. Treaty questions.
- 181. THE NEAR EAST, 1683-19—. Three credit hours. Balkan and Asia Minor geography. Native unities. Turkish hegemony. Foreign interests. The move toward freedom. Powers limiting freedom. Culture and religion.
- 183. THE FAR EAST. Three credit hours. A study of China from ancient times in its setting of Pacific neighbors, and of its modern competitor, Japan. Early culture; European contact; Westernization; political tangles; current pressures; American interests.
- 191. NEWMAN AND HISTORY. Two credit hours. A study of the historical writings and views of the great cardinal. The extent of the Oxford Movement.
- 194. HISTORICAL CRITICISM. Three credit hours. An undergraduate examination of the canons of proper historical writing as exemplified in important works of history. Models of historical composition. Critical judgment of authorship. The problem of evidence. Truth in history.
- 199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. To be taken either separately or in conjunction with Hs 194 as a preparation for the comprehensive examination. Required of all seniors majoring in history.

## GRADUATE DIVISION

- 201. INTRODUCTION TO HISTORICAL METHOD. Three credit hours. Ordinarily prerequisite to all graduate work in history. A course in the approach to research adapted to the Master's degree, dissertation, and to seminar work toward that degree. Search for evidence. Testing of evidence. Assembling evidence. Composition and thesis writing.
- 207. ROMAN IMPERIAL AGE. Three credit hours. An investigation in the coins of the emperors, and in the science of

numismatics. This science, auxiliary to and revealing of so much history and literature, will be studied in itself and in its examples up to 300 A.D.

- 224. STUDIES IN THE FRENCH REVOLUTION. Three credit hours. The constitutional phases of the movement. Its social character. Public opinion and its makers.
- 225. SEMINAR IN MODERN EUROPE. Three credit hours. Group studies of especially significant persons and events such as Richelieu, Louis XIV, the French Revolution, the culture of the 19th Century, and the World Wars.
- 231. MEDIEVAL ENGLAND. Three credit hours. A course covering the population centers, institutions, guiding forces in popular thought, law and custom, and representative bodies of Medieval England.
- 244. SPECIAL TOPICS IN THE JACKSON ERA. Three credit hours. A study of the shift in party support; new ideals in government; the supplanting of the Virginia Dynasty, and western centers of national interest.
- 246. SEMINAR IN HISTORY OF THE WEST TO 1783. Three credit hours. Studies in the notable settlements and movements that led to the peopling of the West.
- 247. SEMINAR IN HISTORY OF THE WEST SINCE 1783. Three credit hours. Political, economic and cultural movements that grew in the West and affected all of American life.
- 249. TOPICS IN CATHOLIC HISTORY IN THE UNITED STATES. Three credit hours. Contemporary scholarship in the subject. Great masterpieces. Centers of interest in the study.
- 251. SEMINAR IN COLONIAL HISPANIC AMERICA. Three credit hours. Problems in the colonizing work of Spain and Portugal with emphasis on the solution of the Indian question. Imperial policy of Spain.
- 252. SEMINAR IN REPUBLICAN HISPANIC AMERICA. Three credit hours. Political crisis arising out of factors in the independence movement. Rise of Positivist and Liberalist groups. Persistent colonial economy. The question of dictatorships.
- 254. MISSIONS IN THE HISTORY OF COLONIAL AMERICA. Three credit hours. Theory of missions. Their support and direction. Important movements. Institutions. Bearing on history.

- \*273. UNITED STATES FOREIGN RELATIONS, 1775-1865. Three credit hours. American problems.
- \*274. UNITED STATES FOREIGN RELATIONS, 1865-1914. Three credit hours. Research in special topics related especially to European interests in the Western Hemisphere.
- \*275. UNITED STATES FOREIGN RELATIONS, 1914-19—. Three credit hours. Foreign policy during and after World War I. Plans and programs of action in specific areas.
- 299. MASTER'S THESIS. Six credit hours.

## Political Science (Po)

### UNDERGRADUATE DIVISION

#### *Lower Division Courses*

- 1. AMERICAN GOVERNMENT: FEDERAL GOVERNMENT. Three credit hours. The American philosophy of government. Pattern of the Federal Government as it has been formed through the growth of customs, party practices, decisions of courts, administrative agencies.
- 2. AMERICAN GOVERNMENT: STATE AND LOCAL GOVERNMENT. Three credit hours. Position of the State in the Federal System. Local units of government. Concurrent tax and court systems. Elections. Efforts in democracy — initiative, referendum, recall, direct primary, city manager.

#### *Upper Division Courses*

- 101. THE STATE. Three credit hours. Origin of civil power. Nature of political authority; its limitations in itself and from parallel institutions. Foundations of a government-in-being. Organizations and functions. Varieties in forms. Constitutional government.
- 102. PUBLIC ADMINISTRATION. Three credit hours. Executive powers; channelling the powers; checks; cooperating bodies.
- 112. CONDUCT OF FOREIGN AFFAIRS IN THE UNITED STATES. Three credit hours. Analysis of the constitutional provisions touching foreign affairs. Make-up and operation of the State Department. The foreign service. Congress and other agencies in the process.

121. COMPARATIVE GOVERNMENT. Three credit hours. A comparative study of representative types of government; constitutional beginnings, organization, methods of legislation and administration. Special attention will be given to the governments of France, Germany, Great Britain, Japan, the U.S.S.R.
122. DEVELOPMENT OF TOTALITARIANISM. Three credit hours. Development of totalitarianism after World War I. An examination of the origins, objectives, and possible consequences. Influence of social factors, nationalistic motives, and of ideology.
131. HISTORY OF POLITICAL THEORY, I. Three credit hours. Early theories of government. Developments after Rome. St. Augustine. Growth of kingship, of parliamentary ideas. English liberties. Continental tendencies. Influence of Canon Law. Secularism. Prerequisite: junior standing.
132. HISTORY OF POLITICAL THEORY, II. Three credit hours. Rise of absolutism and its defenders. Critics. Modern democratic thought. Justifications of dictatorship. International law. Restatements of the natural law. Force doctrines. Materialist theories. Papal pronouncements. Prerequisite: Po 131.
140. HISTORY OF AMERICAN POLITICAL PARTIES. Three credit hours. Development of the party system. Factors specifying types of parties. Varieties of leadership. Programs.
141. GROWTH OF ADMINISTRATIVE LAW. Three credit hours. European systems. American problems and solutions. Industrial relations. Socializing tendencies.
151. INTERNATIONAL LAW. Three credit hours. The *Jus Gentium*. Vitoria. Grotius. International treaties. Problems arising from Communist theory and definitions. Regional agreements. World organization.
198. TUTORIAL COURSE. Three credit hours.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in political science.

#### GRADUATE DIVISION

201. THEORIES OF THE STATE. Three credit hours.
222. CONTEMPORARY "NEW ORDERS" OF THE TWENTIETH CENTURY. Three credit hours. A research course.

243. ESTABLISHMENT OF THE AMERICAN UNION. Three credit hours. A seminar.

## Mathematics (Mt)

### UNDERGRADUATE DIVISION

*Staff:* FR. STECHSCHULTE, *chairman:* FR. ALLEN, MR. CISELL, FR. GOODENOW, MR. HART, MR. MARCACCIO, MR. O'LEARY, FR. POETKER, MR. STEUER.

The courses in this department are intended to:

1. Aid in the development of exact and rigorous methods of thought.
2. Provide the mathematical background and preparation essential to every field of science and business.
3. Prepare students for teaching or for graduate work in mathematics or science.

Prerequisites for *upper division* courses are Mt 3, 4 and 6 or their equivalents.

The minimum *upper division* requirements for a major are Mt 151, 152, 199, and, in addition, four other three-hour courses. These will normally include Mt 124, 142, 153a, 154.

The minor sequence must include Mt 151 and 152. The remaining required hours will be chosen from courses which seem best to fit the student's needs.

#### *Lower Division Courses*

- D1. MECHANICAL DRAWING. Two credit hours. Use of lettering; an introduction to orthographic projection. Six hours of drawing room practice each week.
- D2. DESCRIPTIVE GEOMETRY. Three credit hours. The theory of projection drawings. Problems in projection of points and lines, and problems involving planes. Intersection and development of surfaces.
- D4. MECHANICAL DRAWING. Three credit hours. Working drawings. Detail and assembly drawings of simple machines or structures. Blue-printing from tracings.
- A. ELEMENTARY ALGEBRA. Three hours a week. No credit.
1. INTERMEDIATE ALGEBRA. Three credit hours. Study of algebraic processes required in Mt 2, including logarithms, progressions, elementary statistics. Applications to commercial problems.

2. MATHEMATICS OF FINANCE. Three credit hours. Interest, discount, annuities, bonds, life insurance, and allied topics. Prerequisite: Mt 1 or 4.
3. TRIGONOMETRY. Three credit hours.
4. COLLEGE ALGEBRA. Three credit hours.
6. ANALYTIC GEOMETRY. Three credit hours. Prerequisites: Mt 3 and Mt 4.
- 11 a. INTRODUCTORY MATHEMATICAL ANALYSIS. Three credit hours. A course emphasizing the general and the logical aspects rather than the techniques of algebra, trigonometry and analytic geometry. Intended for students in the Honors A.B. Course.
- 11 b. INTRODUCTORY MATHEMATICAL ANALYSIS. Three credit hours. A continuation of Mt 11 a which is also prerequisite.

*Upper Division Courses*

101. HISTORY OF MATHEMATICS. Three credit hours. Study of basic concepts in their historical setting and development.
- 111, 112. THEORETICAL MECHANICS. Six credit hours. Described as Ph 111 and 112.
113. VECTOR ANALYSIS. Three credit hours.
120. THEORY OF MEASUREMENTS AND ERRORS. Three credit hours. A course primarily intended for students majoring in chemistry or physics. Computational methods; approximation methods for solution of equations; theory of measurements; classification of errors; statistical theory and methods; principle of least squares; statistical interpretation of measurements; curve fitting; probability.
124. MATHEMATICAL STATISTICS. Three credit hours. Representation of statistical data; averages; dispersion; correlation; skewness; sampling; the normal curve; empirical equations; applications.
142. THEORY OF EQUATIONS. Three credit hours.
144. INTRODUCTION TO HIGHER ALGEBRA. Three credit hours. Special topics in modern algebra.
151. DIFFERENTIAL CALCULUS. Three credit hours.
152. INTEGRAL CALCULUS. Three credit hours.



- 153 a. ADVANCED CALCULUS. Three credit hours. Selected topics such as expansion in series, improper integrals, special functions defined by definite integrals, line integrals, Jacobians and transformations.
- 153 b. ADVANCED CALCULUS. Three credit hours. Continuation of 153 a.
154. DIFFERENTIAL EQUATIONS. Three credit hours. Solution of ordinary differential equations; applications to geometry and physics. Solution in series. Prerequisite: Mt 152.
- 155 a. ADVANCED MATHEMATICAL ANALYSIS. Three credit hours. A course in differential and integral calculus intended for students in the Honors A.B. Course.
- 155 b. ADVANCED MATHEMATICAL ANALYSIS. Three credit hours. A continuation of Mt 155 a which is also prerequisite.
157. INTRODUCTION TO COMPLEX VARIABLES. Three credit hours.
161. SOLID ANALYTIC GEOMETRY. Three credit hours. An introductory treatment of the point, plane, straight line and surface of revolution; analysis of the general equation of the second degree; systems of coordinates
162. PROJECTIVE GEOMETRY. Three credit hours. Line coordinates; principle of duality; metric and projective properties; double ratio; collineation and involution.
163. COLLEGE GEOMETRY. Three credit hours.
197. SPECIAL READING AND STUDY FOR ADVANCED STUDENTS. Credit to be arranged.
199. SENIOR THESIS. Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

## Military Science (MS)

### The R.O.T.C.

*Staff:* COL. HOLSINGER, *chairman:* LT. COL. SHACKELFORD, MAJOR FREY, MAJOR TUCKER, CAPT. CONARD, M/SGT. BALCH, M/SGT. FOWLER, M/SGT. HOSKINS, M/SGT. KELLY, M/SGT. MCCARTER, M/SGT. SUTER, SFC. HOWARD.

A senior unit of the Reserve Officers' Training Corps is maintained at the University by the Department of the Army.

The Department of Military Science and Tactics provides an opportunity for the study of subjects of recognized military and educational value to assist the student in laying the foundations of intelligent citizenship. The primary mission is to produce junior officers who have qualities and attributes essential to their progressive and continued development as officers in the Army of the United States. The secondary mission is to produce officers with qualifications for the Regular Army.

Every student who is a physically fit citizen of the United States, between the ages of fourteen and twenty-four, is obliged to take military science during the first two years of attendance. One year of military science is required of the student entering as a sophomore; none, of one entering as a junior or senior.

Application for exemption from military science may be made by a student who has had active service with the armed forces of the United States and who has been honorably discharged therefrom, or for reasons of physical disability. All claims of exemption accompanied by the evidence thereof must be filed in the office of the dean.

The complete program of instruction comprises four sessions of *lower division* or basic courses and four sessions of *upper division* or advanced courses.

The basic courses are designed to give the student basic military and citizenship training which will benefit him and the military service if he goes into the army.

The advanced courses qualify a limited number of selected students for commissions in the Officers' Reserve Corps and the Regular Army. Admission to MS 101 will depend upon the fulfillment of the following conditions:

1. The filing of a formal request with the Chairman of the Military Department within the dates annually announced.
2. The completion of MS 1, 2, 31 and 32. Equivalence of basic courses completed in service (for veterans) or in some other Reserve Officers' Training Corps Unit will be determined by the Chairman of the Military Department.
3. The demonstration of exceptional qualities of leadership and scholarship.
4. An agreement to complete the course and to perform six summer weeks of practical work at camp after the completion of MS 101 and 102. This work must be done under designated military supervision.
5. The successful passing of the physical tests.

Further information regarding the course will be found in *Corps Regulations* issued by the department.

### *Lower Division Courses*

- 1, 2. **FIRST YEAR BASIC COURSE.** Four credit hours. An introduction to military science which includes: military organization, military policy of the United States, National Defense Act and the R.O.T.C., evolution of warfare, maps and aerial photographs, first aid and hygiene. A study of military problems of the United States. Leadership, drill and exercise of command.
- 31, 32. **SECOND YEAR BASIC COURSE.** Four credit hours. Students in these courses will be introduced to the techniques of the Field Artillery branch inclusive of field artillery organization, materiel, service of the piece, instruments, communications, motors and transportation. Leadership, drill and exercise of command.

### *Upper Division Courses*

- 101, 102. **FIRST YEAR ADVANCED COURSE.** Six credit hours. A study of the tactics and technique of field artillery inclusive of communications, duties of the battery executive, field artillery tactics, individual weapons and preliminary marksmanship, gunnery, survey. Leadership, drill and exercise of command.
- 103, 104. **SECOND YEAR ADVANCED COURSE.** Six credit hours. A study of military administration, military law and boards, military teaching methods, psychological warfare. Branch tactics and technique inclusive of gunnery, surveying, the fire direction center, advanced field artillery tactics, command and staff, combat intelligence, the military team and new developments. Geographic foundations of national powers and supply and evacuation. Leadership, drill and exercise of command.

## **Modern Languages**

*Staff:* DR. SEEMANN, *chairman:* MR. BOURGEOIS, MR. INSERNI, MR. LABELLE, FR. MCCOURT, MR. MEIROSE, MR. RIESELMAN, FR. USHER, MR. VASQUEZ.

The Department of Modern Languages offers courses in French, German and Spanish. The nature and content of these courses are designed to secure the following sequential objectives:

1. A reading knowledge sufficient to fulfill the *lower division* objective.

2. A mastery of grammar and syntax and an acquaintance with the elements of style as an immediate preparation for the study of literature.
3. Ability to use correct pronunciation and natural inflection in conversation.
4. A knowledge and an appreciation of the literature of the language.
5. An acquaintance with the history and culture of the people to whom the language is native.

As a means of achieving these objectives, the following departmental requirements are pertinent:

1. An entrance reading ability test given to freshmen, having two or more high-school units in modern language, to determine reading knowledge proficiency.
2. A minimum of two semesters of elementary courses required of freshmen.
3. Four semesters of modern language prerequisite to advanced study.
4. Consultation with the chairman of the department at least once each semester.

## UNDERGRADUATE DIVISION

### French (Fr)

#### *Lower Division Courses*

1. **ELEMENTARY FRENCH.** Three or four credit hours. A course intended to effect facility in sight reading of French newspaper and magazine articles.
2. **ELEMENTARY FRENCH.** Three or four credit hours. A continuation of Fr 1.
31. **INTERMEDIATE FRENCH.** Three or four credit hours. A study of grammar and syntax with reading and composition as an introduction to *upper division* work.
32. **INTERMEDIATE FRENCH.** Three or four credit hours. A continuation of Fr 31.

#### *Upper Division Courses*

101. **ADVANCED COMPOSITION.** Two or three credit hours. An advanced course in syntax and composition.

102. ADVANCED COMPOSITION. Two or three credit hours. An advanced course in stylistics. A continuation of Fr 101.
121. MODERN FRENCH PROSE. Three credit hours. The study of novels by modern prose writers: Chateaubriand, Balzac, Flaubert, Barres, Mauriac, Duhamel and others.
124. THE SHORT STORY. Three credit hours. The reading and study of representative short story writers.
131. ORATORY. Three credit hours. A study of Bossuet, Bourdaloue, Massillon, Flechier and their works.
141. POETRY OF THE NINETEENTH CENTURY. Three credit hours. Readings from Victor Hugo, Lamartine, Vigny, Musset and others.
151. DRAMA. Three credit hours. A reading of dramas chosen from such authors as Corneille, Moliere, Racine and others.
152. DRAMA. Three credit hours. A continuation of Fr 151.
161. FRENCH LITERATURE. Three credit hours. French literature from early times to the close of the reign of Louis XIV.
162. FRENCH LITERATURE. Three credit hours. French literature in the seventeenth, eighteenth and nineteenth centuries. A continuation of Fr 161.
164. FRENCH POETRY SINCE BAUDELAIRE. Three credit hours. A study of Baudelaire, his poetry and influence, and of subsequent schools in contemporary French poetry.
175. FRENCH CIVILIZATION. Three credit hours. A study of medieval and modern French culture — its tradition, its political and social institutions.
181. CONTEMPORARY CATHOLIC WRITERS. Three credit hours. The Catholic spirit in French literature, and the Catholic literary revival in France.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in French.

### German (Gr)

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

1. ELEMENTARY GERMAN. Three or four credit hours. A course intended to effect facility in the reading of simple German with consideration of the elements of phonetics and grammar.

2. ELEMENTARY GERMAN. Three or four credit hours. A continuation of Gr 1.
31. INTERMEDIATE GERMAN. Three or four credit hours. This study is based on comprehensive readings of modern prose with special emphasis on vocabulary building, idioms and grammar review.
32. INTERMEDIATE GERMAN. Three or four credit hours. A continuation of Gr 31.
33. SCIENTIFIC GERMAN. Three credit hours. Readings in the literature of chemistry, physics and the biological sciences. Intended to prepare students for the use of German source material in scientific work.
34. SCIENTIFIC GERMAN. Three credit hours. Readings primarily in the medical field. Individual consultation and reports on material adapted to the individual needs of students whose major interests lie in related fields.

#### *Upper Division Courses*

101. CONVERSATION AND COMPOSITION. Two or three credit hours. An advanced course in syntax and composition.
102. ADVANCED COMPOSITION. Two or three credit hours. An advanced course in stylistics. A continuation of Gr 101.
111. THE MODERN NOVEL, 1880-1933. Three credit hours. A study of the literary development of the period and of representative authors including Arthur Schnitzler, Rainar Maria Rielke, Paul Ernst, Wilhelm Schaefer and Hans Fallada.
112. MODERN DRAMA, 1880-1933. Three credit hours. A study of the principal trends in the drama of the period and of representative authors including Hauptmann, Hofmannsthal, Kaiser, Toller and von Unruh.
121. NINETEENTH CENTURY GERMAN LITERATURE. Three credit hours. A study of the main currents of German literature from the rise of Romanticism to the flowering of Naturalism, from Novalis to Nietzsche.
122. NINETEENTH CENTURY GERMAN LITERATURE. Three credit hours. A continuation of Gr 121.
161. GERMAN LITERATURE. Three credit hours. The development, forms, and characteristics of German literature before the eighteenth century. Selected readings.

162. GERMAN LITERATURE. Three credit hours. The literature of the eighteenth and nineteenth centuries.
163. SCHILLER. Two credit hours. A study of the life and works of Schiller, and of the literary movements of the nineteenth century.
164. GOETHE. Two or three credit hours. Lectures and readings in Goethe's works, together with a study of his life and times.
165. GOETHE'S FAUST. Two or three credit hours. A critical study of part I; assigned readings, reports and lectures on part II.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in German.

### Spanish (Sp)

#### UNDERGRADUATE DIVISION

##### *Lower Division Courses*

1. ELEMENTARY SPANISH. Three or four credit hours. A course intended to effect facility in sight reading of Spanish newspaper and magazine articles.
2. ELEMENTARY SPANISH. Three or four credit hours. A continuation of Sp 1.
31. INTERMEDIATE SPANISH. Three or four credit hours. A study of grammar and syntax with reading and composition as an introduction to *upper division* work.
32. INTERMEDIATE SPANISH. Three or four credit hours. A continuation of Sp 31.

##### *Upper Division Courses*

101. ADVANCED COMPOSITION. Two or three credit hours. Lectures and laboratory work especially conducted to further the student's knowledge of conversational Spanish. Required of all majors and minors.
102. ADVANCED COMPOSITION. Two or three credit hours. A continuation of Sp 101 which is prerequisite.
121. THE SPANISH NOVEL OF THE RENAISSANCE. Three credit hours. A study of the works of the leading novelists of the fifteenth and sixteenth centuries. Lectures and discussions in Spanish. Collateral readings.

122. NOVELA DEL SIGLO DE ORO. Three credit hours. The development of the novel during Spain's literary Golden Century closing with Cervantes' *Don Quijote*. Lectures, readings and discussions. Collateral readings.
125. TEATRO DEL SIGLO DE ORO. Three credit hours. Lectures, readings and discussions on the leading plays and playwrights of Spain's brilliant XVI-XVII century. The Spanish stage; dramatic forms.
126. LOPE DE VEGA. Three credit hours. A study of the life and works of one of the world's foremost dramatists. Readings and discussions.
130. MODERN SHORT STORY. Two or three credit hours. Lectures, readings and discussions on the best known modern short stories.
143. NINETEENTH CENTURY DRAMA. Two or three credit hours. The romantic theme predominates throughout the century in Spanish letters. Through the study of selected plays the student has the opportunity to become acquainted with the most prominent dramatists of the epoch.
161. SPANISH AUTHORS. Three credit hours. A course devised to give the student a general knowledge of the leading figures in Spanish letters. Lectures and discussions in Spanish.
162. SPANISH AUTHORS. Three credit hours. A continuation of Sp 161.
164. CERVANTES. Two or three credit hours. The study of Spain's greatest literary figure: his life and work previous to *Don Quijote*. Lectures and readings.
165. CERVANTES. Two or three credit hours. An analytical study of *Don Quijote*. A continuation of Sp 164.
175. SPANISH CIVILIZATION. Three credit hours. A presentation of Spanish society — its cultural tradition; its political and social institutions.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in Spanish.

### Philosophy (Pl)

*Staff:* FR. LEMMER, *chairman:* FR. BURLAGE, DR. CUNNINGHAM, MR. LAGRANGE, MR. LOZIER, FR. MCCUMMISKEY, MR. SAUTER, DR. SCHWARTZ, FR. UHL, FR. WEITZMAN.



Any declaration of the general aim of the Department of Philosophy would be to define philosophy itself. The student, however, may assure himself that a well-advised selection of courses and serious study will result in a recognition of the unity of knowledge and a helpful alignment of fields of study; acquaintance with the organization of mental life together with development and control of its various processes; a power of such constructive criticism as is reasonable, unbiased, and tolerant; a stimulation of talent for speculative and practical thought; illumination of the rational foundations of religion; an enlarged appreciation of the dignity of human nature; a philosophy of life which conforms to the best traditions of Christian civilization.

Departmental requirements in philosophy are as follows:

- A. For all students working *for any degree*: Pl 34, Ps 31, Pl 100, 105, 111, 131 and 132.
- B. For a major: Pl 34, Ps 31, Pl 100, 105, 106, 111, 131; two of the following courses: Pl 133, 140, 141; Pl 199.

Students majoring in philosophy should plan their courses with the advice of the chairman of the department. A minor may be elected in any other field; however, English, the classics and history are especially recommended. Students are not allowed to minor in philosophy.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

- 34. LOGIC. Three or four credit hours. A course in Aristotelian logic; the description and classification of man's chief mental activities; the theory and rules of logical habits. Prerequisite to *all courses in philosophy*; may be taken concurrently with Ps 31.

### *Upper Division Courses*

- 100. METAPHYSICS. Three credit hours. The science of the first principles of being: the concept and modes of being; the transcendentals; theories of analogy, act and potency; the Aristotelian categories emphasizing substance and relation; the theory of efficient causality and of purpose. Prerequisite: Pl 34.
- 105. PHILOSOPHY OF NATURE. Three credit hours. An historical study of the basic problems concerning metaphysics of matter; the continuum, quantity, mechanicism, space,

place, motion, time and constitution of matter; a study of the hylomorphic theory in relation to modern scientific theories. Prerequisite: Pl 100.

106. NATURAL THEOLOGY. Two credit hours. An inductive inquiry into the question of Infinite Reality culminating in the philosophy of Infinite Being; a purely rational study of the nature and properties of Infinite Being; an approach to religion in the light of reason.
111. PHILOSOPHY OF MAN. Three credit hours. The specific attributes of man; origin of human knowledge; intellect, will, freedom, habits; the constitution of man; theories of the soul; the unity of man; person. Prerequisite: Pl 100.
131. PRINCIPLES OF ETHICS. Three credit hours. The science of the first principles of human goodness; the purpose of human life; the human act; morality and its essential norm; the general theory of law and rights; conscience; virtue. Prerequisite: completion of all other courses in group "A".
132. CHRISTIAN AND SOCIAL ETHICS. Two credit hours. A philosophical exposition of the rights and duties of the individual on the basis of ethical norms; the origin and theories of society; the social, economic and political relationships of the individual. Prerequisite: Pl 131. *Required of all degree students as Christian culture.*
133. ORIGINS OF MODERN PHILOSOPHICAL PROBLEMS. Three credit hours. A study of modern experiments in metaphysics and epistemology; the revolt against Christian philosophy; solutions of these modern problems. The course is based on Gilson's *Unity of Philosophical Experience* and appropriate documentation from modern philosophers.
140. HISTORY OF CHRISTIAN PHILOSOPHY, I. Three credit hours. An historical study based on Gilson's *Spirit of Medieval Philosophy* treating of Christian philosophy and the problem of reason and faith, and a comparison of Greek with Christian philosophers on metaphysical questions.
141. HISTORY OF CHRISTIAN PHILOSOPHY, II. Three credit hours. A continuation of Pl 140 emphasizing the problem of Christian philosophy in relation to the philosophy of man, morals and society. Pl 140 is recommended, but not strictly prerequisite.

- 198a. PHILOSOPHY OF ST. THOMAS. Five credit hours. Special studies for Honors A.B. students using Latin selections from St. Thomas.
- 198b. PHILOSOPHY OF ST. THOMAS. Five credit hours. A continuation of Pl 198a.
199. SENIOR COMPREHENSIVE REVIEW. Two credit hours. Required of all seniors majoring in philosophy.

## GRADUATE DIVISION

Work for the Master's degree ordinarily includes Pl 133, 140 and 141, and five graduate courses in philosophy in addition to Pl 299. At least one graduate course and one of these three — Pl 133, 140, 141 — will be offered each semester and during the first summer session.

202. CHRISTIAN PHILOSOPHY AND CONTEMPORARY THOUGHT. Three credit hours. An attempt, through the reading and dialectical analysis of significant thinkers of our time, to relate their position and principles to the perennial teaching of the Christian position.
206. ST. THOMAS ON GOD. Three credit hours. An analytic study of the principal texts containing St. Thomas' philosophical doctrines on the existence and nature of God.
210. PHILOSOPHY OF LITERARY FORM. Three credit hours. Discussions of the nature of literary form; general aesthetics and metaphysical principles which poetic presupposes; the relation of these principles to the truths of the Faith. Discussions based on selections of poetry from the different periods, Aristotle's *Poetics*, and other critical treatises.
211. ST. THOMAS ON MAN. Three credit hours. A study of the main texts of St. Thomas dealing with the philosophy of man, especially *Summa Theologica*, I, 75-90.
221. PHILOSOPHY OF KNOWLEDGE. Three credit hours. Selected texts of Aristotle and St. Thomas dealing with the nature of knowledge studied in relation to contemporary theories of knowledge.
233. ARISTOTLE'S PHYSICS: BOOK II. Three credit hours. Critical study of Book II following the commentary of St. Thomas. Discussion centers around concepts of nature, cause, chance, fate.

234. THE POSTERIOR ANALYTICS OF ARISTOTLE. Three credit hours. Careful reading of a sizable portion of this work following the commentary of St. Thomas. Discussion of the incidence of the contemporary position on logic and scientific method as occasion arises.
235. PLATO. Three credit hours. Seminar discussion based on reading of the Dialogues to ascertain the role of Plato in the great tradition of Christian thought. Relation of Plato to Aristotle, in themselves and in relationship to Catholic doctrine.
240. PHILOSOPHY OF MUSIC. Three credit hours. A development of general aesthetic principles and the principles of harmony and rhythm specific to music. An inquiry into the relation of music to human experience, emotional and spiritual. Outstanding examples from the history of music to illustrate the principles and to develop a sense of musical history in its relation to the general history of human culture.
244. PHILOSOPHY OF MATHEMATICS. Three credit hours. Metaphysical analysis of mathematics in its modern developments. Seminar discussions based on assigned readings in contemporary mathematical philosophy and on relevant readings in Aristotle and St. Thomas.
245. PHILOSOPHY OF SCIENCE. Three credit hours. A consideration of the problems raised by modern methods of empirical investigation, particularly as the method is interpreted to imply a doctrine of ultimate relativism of truth as it is humanly attained and attainable. Particularly it will be shown that the scientific method comprises two types of assumption, the one necessary and perennial, the other relative. From this it will be shown that scientific progress implies absolute truth, and that it appears otherwise only through an incomplete analysis of the scientific method.
250. ARISTOTELIAN ANALYSIS OF THE PROPOSITION. Three credit hours. To be read together with the commentary of St. Thomas Aquinas. The course will point toward the metaphysical foundation of Aristotelian logic. The writings of modern logicians will be introduced by way of reducing the modern teaching to its analogous metaphysical principles.
270. ANALOGICAL CONCEPT OF BEING, I. Three credit hours. An inquiry into the concept of analogy based on the writings

of St. Thomas and Cajetan's *De Nomium Analogia*. Particular attention will be paid to the univocal (Platonic) tradition and its history in pre-scholastic philosophy, in scholasticism and in modern philosophy.

271. ANALOGICAL CONCEPT OF BEING, II. Three credit hours. A continuation of Pl 270 with emphasis on the historical applications of the doctrine.
299. MASTER'S THESIS. Six credit hours.

## Physics (Ph)

Staff: FR. STECHSCHULTE, *chairman*: MR. MARCACCIO,  
FR. POETKER, FR. VOLLMAYER.

The educational benefits to be derived from a study of the science of physics are training in scientific method, acquaintance with the historical development of physical science, and a knowledge of the applications of physical laws which play so large a part in modern life. In the *lower division* courses emphasis is laid on the intelligent comprehension of basic principles rather than on description of interesting applications. The *upper division* courses are intended as a preparation for science teaching or for graduate work in the physical sciences.

Departmental requirements for majors include:

1. The completion of Ph 13, 14 and Ch 3, 4 as an introduction to *upper division* work.
2. The acquisition of a working knowledge of differential and integral calculus during the first year.

With the approval of both departments, six credit hours in physical chemistry may be counted toward a major.

Ph 1 and 2 may be counted toward a science requirement, but *not as a preparation for a science major*.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

- 1 a. INTRODUCTION TO PHYSICAL SCIENCE. Three credit hours.  
A study of the basic laws and principles of physics and their applications in the modern world. Stress is placed upon the cultural aspects of the subjects rather than upon technical details.
- 1 b. INTRODUCTION TO PHYSICAL SCIENCE. Three credit hours.  
Continuation of 1 a.

- 2 a. ELEMENTS OF ASTRONOMY. Three credit hours. General elements and principles of the science of astronomy.
- 2 b. ELEMENTS OF GEOLOGY. Three credit hours. The earth's surface features and the geological laws governing their origin and development. Nature and structure of the materials composing the earth.
- 3, 4. GENERAL PHYSICS. Eight credit hours. Mechanics, heat, sound, light, magnetism, electricity, and radiation. Three lecture and class periods. One laboratory session.
6. PHYSICS SURVEY. Two credit hours. Cultural interpretations of the science of physics. Given at Milford College.
- 13, 14. GENERAL PHYSICS. Ten credit hours. The content of the course is the same as Ph 3, 4, but is more strongly mathematical. A course in calculus is presupposed or must be taken concurrently. Required of physics majors and basic engineering students. Three lectures and two laboratory and problem sessions.

#### *Upper Division Courses*

101. ADVANCED LABORATORY. Credit to be arranged.
- 111, 112. THEORETICAL MECHANICS. Six credit hours. Elementary theory of the statics, kinetics, and dynamics of particles and rigid bodies. Two semesters.
113. VECTOR ANALYSIS. Three credit hours. (Mt 113.)
121. HEAT. Three credit hours. The thermal properties of matter; theory of heat conduction; kinetic theory of matter; introduction to thermodynamics.
131. SOUND AND ACOUSTICS. Three credit hours.
142. PHYSICAL OPTICS. Three credit hours. Lectures and experimental demonstrations dealing with the phenomena of reflection, refraction, diffraction, interference, polarization, dispersion, and spectroscopy.
151. ELECTRICITY AND MAGNETISM. Three credit hours. A lecture course giving a mathematical treatment of the theory and applications of electricity and magnetism.
152. ELECTRICITY AND MAGNETISM. Three credit hours. Continuation of Ph 151.
155. PRINCIPLES OF RADIO. Three credit hours.

162. INTRODUCTION TO MODERN PHYSICS. Three credit hours. Lectures and discussions of some of the more important concepts of physics with emphasis on recent developments.
163. ELECTRONICS. Three credit hours.
170. PHYSICS OF THE AIR. Three credit hours. The weather elements and their measurement. Dynamics and thermodynamics of the atmosphere. Air masses and fronts.
180. (GEOPHYSICS) INTRODUCTION TO GEOPHYSICS. Three credit hours. Prerequisite: College physics. Calculus must precede or be taken concurrently.
181. (GEOPHYSICS.) EARTHQUAKES. Two credit hours.
182. (GEOPHYSICS.) ELEMENTARY SEISMOMETRY. Two credit hours.
184. (GEOPHYSICS.) PRACTICAL SEISMOMETRY. Three credit hours.
185. (GEOPHYSICS.) FORCE FIELDS OF THE EARTH. Three credit hours. Gravitational, electric, magnetic fields. Elastic waves.
197. SPECIAL READING AND STUDY FOR ADVANCED STUDENTS. Credits to be arranged.
199. SENIOR THESIS. Two credit hours. Required of all seniors majoring in physics.

## Psychology (Ps)

### UNDERGRADUATE DIVISION

*Staff:* DR. HAMEL, *chairman:* MR. CAHALAN, MR. CLARKE,  
MR. LAGRANGE, MR. LUKEN, DR. SCHWARTZ.

Psychology is the study of the human personality: how we know, how we feel, how we act, and how we adjust ourselves to various situations. The Department of Psychology would both equip the undergraduate with a preparation for better living in society (a knowledge of the potentialities of mind is the best preventive against maladjustment), and train psychologists in the field of guidance and counseling in the academic and in the business world.

Departmental requirements for a major include:

1. The completion of Ps 31 and 32 as an introduction to *upper division* work.

2. Ps 111 (Pl 111).
3. Eighteen credit hours of *upper division* courses in addition to Ps 111.
4. Ps 101, 102 and 199.

Departmental requirements for a minor include:

1. Completion of six credit hours of *lower division* work.
2. Completion of twelve credit hours of *upper division* work inclusive of Ps 101 and 102.

#### *Lower Division Courses*

31. GENERAL PSYCHOLOGY. Three credit hours. The study of the human personality emphasizing a careful description of its make-up and an analysis of its functions and causes. The scientific method is followed, but philosophic and religious questions are pointed out as they arise in explaining man to man.
32. PSYCHOLOGY OF LEARNING. Three credit hours. Learning as a psychological process. Analysis of learning; motivation; outcomes; types of learning; transfer of training; individual differences; measurement and guidance in learning. (Ed 32.)

#### *Upper Division Courses*

101. EXPERIMENTAL PSYCHOLOGY. Three credit hours. The purpose of this course is to introduce the student to the scientific method of experimentation in psychology; controlling variables; statistical handling and interpretation of results. One hour of lecture and two periods of laboratory per week. Prerequisites: Ps 31, 32.
102. ADVANCED EXPERIMENTAL PSYCHOLOGY. Three credit hours. The student studies himself and his partner in the laboratory. Analysis of class data and personality profiles. Introduction to research in the experimental field; investigation of special problems. One lecture and two periods of laboratory per week. Prerequisite: Ps 101.
103. PSYCHOLOGY OF MOTIVATION. Two credit hours. Treatment of the dynamic forces in human nature; motivation; ideals, impulses, desire and such like.
105. PSYCHOLOGY PRACTICUM. Two credit hours. Practical experience in administering tests; scoring and interpreting. Attendance at staff meetings in preparation for



counseling students at Guidance Center required. Prerequisites: Ps 101, 102.

106. **PSYCHOLOGY PRACTICUM.** Two credit hours. A continuation of Ps 105.
111. **RATIONAL PSYCHOLOGY.** Three credit hours. The specific attributes of man; origin of human knowledge; intellect, will, freedom, habits; the constitution of man; theories of the soul; the unity of man; person. (Pl 111.) Prerequisites: Pl 34, Ps 31, Pl 100.
134. **CHILD PSYCHOLOGY.** Two credit hours. The genetic study of growth and development; hereditary and environmental factors; early and later childhood to puberty. Special problems at various age levels. (Ed 134.)
135. **PSYCHOLOGY OF THE ADOLESCENT.** Two credit hours. Inter-related physical, physiological, and mental changes associated with adolescence. Interest and ideals. Social tendencies and adjustments. Causes of maladjustment and delinquency among adolescents. (Ed 135.)
136. **ABNORMAL PSYCHOLOGY.** Two credit hours. The neuro-anatomical, physiological, psychological and psycho-analytical approaches to the study of abnormality; the major neuroses and psychoses. (Ed 136.)
137. **INDIVIDUAL MENTAL TESTING.** Two credit hours. Study and analysis of individual mental testing techniques. Stanford Revision of the Binet-Simon tests and the Bellevue Wechsler Battery used. A minimum of twelve Binet examinations required. (Ed 137.)
141. **APPLIED PSYCHOLOGY.** Two or three credit hours.
142. **MENTAL HYGIENE.** Two credit hours. The social consequences of poor mental health. The concept of adjustment. Consideration from a genetic point of view of factors contributing to mental health. (Ed 142.)
143. **APPLIED BUSINESS PSYCHOLOGY.** Two or three credit hours.
144. **APPLIED BUSINESS PSYCHOLOGY.** Two or three credit hours. A continuation of Ps 143.
151. **MODERN PSYCHOLOGICAL PROBLEMS.** Two credit hours. A study of modern scientific psychology including its various schools and facets of development. Emphasis on the positive contributions of each of the systems to the

advancement of the science and the philosophic principles from which these systems spring. Reading in a broad field of psychological theory required.

152. MODERN PSYCHOLOGICAL PROBLEMS. Two credit hours. A continuation of Ps 151.
153. PSYCHOLOGICAL EXPERIMENTS IN LEARNING. Two credit hours. Repeating in the psychological laboratory some of the classic experiments including human learning, learning curves, efficiency and transfer of training. (Ed 153.)
162. PERSONALITY PROBLEMS. Two credit hours. Maladjustments; behavior handicaps; aggressiveness; phobias; the intangibles of personality.
170. DIFFERENTIAL PSYCHOLOGY. Two credit hours. The existence, extent and significance of individual differences in human traits. The role of heredity and environment in producing individual differences. Psychological analysis of sex, racial, national and other group differences.
173. INDUSTRIAL PSYCHOLOGY. Two or three credit hours. A review of the principles of sound psychological procedure as applied to personnel in commerce and industry. A correlated study of personnel management and industrial relations concerning both capital and labor. Concentration upon the human element in American industry. Lectures by plant and industrial psychologists. (Ec 173.) Prerequisites: Ps 81, Ec 171.
199. SENIOR THESIS. Two credit hours. A course of directed reading and undergraduate research required of all majors in their senior year.

### Theology (Th)

Staff: FR. LOVELEY, *chairman*; FR. BOYLAN, FR. DIETZ, FR. LINZ, MR. MARTIN, FR. OSUCH, FR. WENZEL.

Religion as a way of thinking and living is taught in every department and every course at Xavier. But the formal academic study of religion or theology—dogmatic, moral and liturgical is also vitally needed that the graduate of a Catholic university may take his proper place in his community and in his parish. The Department of Theology provides this formal academic instruction.

In keeping with the religious purpose of the University, non-Catholic students are required to take Th 3 and 4. The content of these courses meets the need for religious instruction without the elements of controversy.

## UNDERGRADUATE DIVISION

### *Lower Division Courses*

3. FOUNDATIONS OF NATURAL RELIGION. Two credit hours. An approach to religion in the light of reason. A survey of the history of religion emphasizing the principles of certitude, the existence of God, the nature of man, the necessity of religion, and moral responsibility. *Required of non-Catholic students.*
4. CHARACTER FORMATION. Two credit hours. A study of the nature of the will, principles, motives, proper choice and inculcation of ideals; habits — their making and unmaking — and case-records. *Required of non-Catholic students.*
5. MORAL GUIDANCE. Two credit hours. A study, in the light of Revelation, of the general principles governing human acts, personal responsibility, conscience, law, sin and virtue. The Ten Commandments are treated individually and at length; the duties of various professional groups are outlined. *Required of all incoming freshmen.*
10. THE CHURCH. Two credit hours. A presentation of the divine authority of the Church of Christ proved by arguments drawn from history and reason, the claims of Christ to divinity, the establishment of His Church, its divine authority, characteristics and identification; the government of the Church, papal primacy and infallibility; the act and virtue of faith.
30. CREATION AND REDEMPTION. Two credit hours. A course intended to present a rational explanation of revealed truth concerning the nature of God; the creation of the universe; the theory of evolution as an explanation of its origin; man — his origin, elevation and fall; Christ — His Incarnation, redemption of the human race, the fruits of His life and death applied to the individual by grace — actual and habitual. Prerequisite: two semesters of college religion.

31. CHRISTIAN ORIGINS. Two credit hours. A study of the philosophical and historical foundation of the truths of Christianity emphasizing proofs of the existence of God, the insufficiency of natural religion, the probability and signs of revelation, and the historical value of the Gospels.
32. THE SACRAMENTS. Two credit hours. A course emphasizing the meaning, number, conditions of validity, effects and necessity of the Sacraments in general and in particular. Special attention is given to the understanding, appreciation and manner of participation in the Holy Sacrifice of the Mass.

### *Upper Division Courses*

110. CHRISTIAN CULTURE IN THE AGE OF THE FATHERS. Two credit hours. An introduction to ancient Christian literature, with special emphasis on the writings of the Fathers as sources of the argument from tradition.
120. SPIRITUAL EXERCISES OF ST. IGNATIUS. Three credit hours. A study of the ascetical exercises of St. Ignatius of Loyola reflecting their historical backgrounds and effectiveness in the formation of mature Christianity.
125. THE LIFE OF CHRIST. Three credit hours. A critical study of nascent Christianity documented with the Jewish and Christian writings of the first century to set in relief the personality of Christ against the background of Jewish beliefs and practices.

### **Christian Culture**

All candidates for a degree must have completed four of the courses listed below.

- Bl 194. THEORY OF EVOLUTION. Two credit hours.
- Ec 187. PHILOSOPHY OF COMMUNISM. Two credit hours.
- Ec. 189. CHRISTIAN THEORY OF ECONOMICS. Two credit hours.
- En 138 a. THE BIBLE: OLD TESTAMENT. Two credit hours.
- En 138 b. THE BIBLE: OLD TESTAMENT. Two credit hours. A continuation of En 138 a.
- En 139. THE BIBLE: NEW TESTAMENT. Two credit hours.
- En 188. CATHOLIC LITERATURE. Two or three credit hours.

- En 189. CATHOLIC LITERATURE. Two or three credit hours. A continuation of En 188.
- En 190. NEWMAN. *The Idea of a University*. Two or three credit hours.
- En 192. CHESTERTON. Two credit hours.
- Fr 181. CONTEMPORARY CATHOLIC WRITERS IN FRANCE. Three credit hours.
- Hs 111. THE EARLY MIDDLE AGES, 300-1154. Two or three credit hours.
- Hs 112. THE LATE MIDDLE AGES, 1154-1496. Two or three credit hours.
- Hs 119. RENAISSANCE AND HUMANISM. Two or three credit hours.
- Hs 121. RELIGIOUS UPHEAVAL OF THE SIXTEENTH CENTURY. Three credit hours.
- Lt. 122. INTRODUCTION TO A STUDY OF THE LATIN FATHERS. Three credit hours.
- Lt. 135. EARLY CHRISTIAN POETS. Three credit hours.
- Pl 106. NATURAL THEOLOGY. Two credit hours.
- Pl 132. CHRISTIAN AND SOCIAL ETHICS. Two credit hours. Required of all degree students as Christian culture.
- Th 110. CHRISTIAN CULTURE IN THE AGE OF THE FATHERS. Two credit hours. An introduction to ancient Christian literature, with special emphasis on the writing of the Fathers as sources of the argument from tradition.
- So 125. MARRIAGE. Two credit hours.
- So 126. THE FAMILY. Two credit hours.
- So 195. REBUILDING THE SOCIAL ORDER. Two credit hours.

## Sociology (So)

*Staff:* MR. FRASER, DR. SCHWARTZ, FR. WEITZMAN.

The courses in the Department of Sociology are planned to meet the need of an intelligent interest in the social structure; to

acquaint the student with the problems of the social order; to correlate in the student's mind the purposes and work of social agencies; to test proposed programs of reform and reconstruction in the light of science, philosophy, and religion; to prepare majors for graduate and professional study in the fields of sociology and social work.

So 31 is introductory to *upper division* courses. A major may be supplemented with courses in Philosophy, economics and history under the direction of the Chairman of the Department of Sociology.

#### *Lower Division Courses*

31. INTRODUCTION TO SOCIOLOGY. Three credit hours. A course in the foundational postulates of a science of society; evolution of social theory; psychological, ecological and cultural approaches to a study of man and social institutions; problems of race and population; sociological features and functions of the family; sociology of the state.
36. SOCIAL HYGIENE. Two credit hours.

#### *Upper Division Courses*

103. PROBLEMS OF LABOR. Two or three credit hours. (Ec 103.)
109. POLITICAL THOUGHT. Three credit hours. (Po 131.)
110. POLITICAL THOUGHT. Three credit hours. (Po 132.)
125. MARRIAGE. Two credit hours. Origin and history of marriage as a natural institution; Christian marriage; practical and intelligent approach to marriage; marriage regulation by church and state; marriage today and tomorrow. (This course utilizes a number of films, filmstrips, and recordings appropriate and supplementary to the text and lectures. Several personality tests are given.)
126. THE FAMILY. Two credit hours. Origin and history of the family; the family in other cultures and compared with the Christian family; the family in the United States and in Latin America; the rich family life, happiest human group or institution; the family as a functional unit, as the best educational channel to democratic citizenship, and as the basis for sound society. (A number of appropriate films and filmstrips are used to supplement the lectures. Reference is also made to certain tests and measurements in the predictability of successful marriage and family life.)

132. CHRISTIAN AND SOCIAL ETHICS. Two credit hours. (Pl 132.)
137. EDUCATIONAL SOCIOLOGY. Two credit hours. (Ed 137.)
195. REBUILDING THE SOCIAL ORDER. Two credit hours. Rebuilding the social order; the Catholic social movement; the Papal social program; ineffective remedies; state and social reconstruction; practical programs of action. (Ec 195.)

# Chronicle

## Presidents

<i>Year</i>	<i>President</i>	<i>Year</i>	<i>President</i>
1831-34	Rev. James I. Mullan.	1881-84	Rev. John I. Coghlan, S.J.
1834-40	Most Rev. John Baptist Purcell.	1884-85	Rev. Henry Moeller, S.J.
1840-47	Rev. J. A. Elet, S.J.	1885-87	Rev. Edward A. Higgins, S.J.
1847-48	Rev. J. E. Blox, S.J.	1887-93	Rev. Henry Schapman, S.J.
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1869-71	Rev. Thomas O'Neil, S.J.	1922-30	Rev. Hubert F. Brockman, S.J.
1871-74	Rev. Leopold Bushart, S.J.	1930-34	Rev. Hugo F. Sloctemyer, S.J.
1874-78	Rev. Edward A. Higgins, S.J.	1934-40	Rev. Dennis F. Burns, S.J.
1878-79	Rev. Thomas O'Neil, S.J.	1940-49	Rev. Celestin J. Steiner, S.J.
1879-81	Rev. R. J. Meyer, S.J.	1949-	Rev. James F. Maguire, S.J.

## Intercollegiate Latin Essay Contest

<i>Year</i>	<i>Winner</i>	<i>Place</i>	<i>Year</i>	<i>Winner</i>	<i>Place</i>
1889	A. F. Frumveller . . . . .	1st	1901	Oliver C. Thoman . . . . .	2nd
1891	Herman H. Herzog . . . . .	5th		Charles H. Schroder . . . . .	6th
	G. H. Conrad . . . . .	7th		Howard N. Ragland . . . . .	10th
	Henry J. Winner . . . . .	9th		T. Lincoln Bouscaren . . . . .	11th
1892	Herman J. Herzog . . . . .	4th		Theodore H. Wenning . . . . .	12th
	E. Don Piatt . . . . .	8th	1902	Charles H. Schroder . . . . .	1st
1893	John H. Grollig . . . . .	4th		Oliver C. Thoman . . . . .	2nd
	Edwin D. Bolger . . . . .	5th		Austin G. Schmidt . . . . .	3rd
1894	F. D. Baurichter . . . . .	7th		Theodore H. Wenning . . . . .	9th
	Alphonse L. Fisher . . . . .	11th	1903	L. J. Frohmiller . . . . .	5th
	L. J. Esterman . . . . .	12th		Howard N. Ragland . . . . .	7th
1896	Richard V. Ryan . . . . .	9th	1903	George Steinkamp . . . . .	8th
1899	James E. Quinn . . . . .	4th		William A. Dowd . . . . .	10th
	Urban B. Franzer . . . . .	7th	1906	Clarence E. Spraul . . . . .	4th
	Herbert B. Voss . . . . .	9th		Albert H. Poetker . . . . .	5th
1900	Oliver C. Thoman . . . . .	3rd	1907	Clarence E. Spraul . . . . .	1st
	Joseph R. Grollig . . . . .	5th	1908	A. F. von Hagel . . . . .	3rd
	William P. Deasy . . . . .	8th	1912	Anthony C. Elsaesser . . . . .	5th
	Urban B. Franzer . . . . .	10th			



<i>Year</i>	<i>Winner</i>	<i>Place</i>	<i>Year</i>	<i>Winner</i>	<i>Place</i>
1916	Joseph F. McCarthy	1st	1932	John A. Brink	3rd
	Otto J. Herman	2nd		Louis A. Ginocchio	5th
	Thomas A. Gallagher	6th	1933	Paul J. Huth	4th
1921	Thomas Gaines	5th		Vincent J. Eckstein	5th
1923	Francis A. Arlinghaus	10th		Louis A. Ginocchio	6th
1924	Francis A. Arlinghaus	3rd	1934	Vincent J. Eckstein	8th
1925	Francis A. Arlinghaus	5th		Paul J. Huth	9th
	John B. Tangeman	9th		John A. Brink	10th
1926	Raymond J. Bird	8th	1936	Raymond J. Kemble	5th
	Andrue H. Berding	10th	1937	Raymond J. Kemble	6th
1927	Edward J. McGrath	4th	1938	Vincent E. Smith	2nd
1928	Timothy S. Hogan	1st		Robert H. Fox	7th
	Edward J. McGrath	5th	1940	Edward A. Foy	7th
	Herbert L. Mumm	8th		N.B. No contest, 1941-1948	
1929	Paul G. Steinbicker	5th	1949	Thomas Aloysius Gallagher	8th
	Albert G. Muckerheide	7th		Herman Lee Zimmermann	9th
	Albert J. Worst	8th	1950	Thomas Aloysius Gallagher	1st
1930	Albert J. Worst	1st		Herman Lee Zimmermann	4th
	Albert G. Muckerheide	2nd		Daniel Paul Solon	5th
	John J. Winstel	3rd	1951	Thomas A. Gallagher, Jr.	2nd
1931	John J. Winstel	1st		George R. Miltz	4th
	Albert G. Muckerheide	3rd		Charles M. Nolan	5th
	Louis A. Ginocchio	4th			

### Intercollegiate English Essay Contest

<i>Year</i>	<i>Winner</i>	<i>Place</i>	<i>Year</i>	<i>Winner</i>	<i>Place</i>
1891	G. H. Conrad	3rd	1907	Albert H. Poetker	3rd
	Charles F. Wolking	5th	1911	John C. Thompson	3rd
1892	G. H. Conrad	5th		Leo J. Kuhlman	8th
1896	Alphonse L. Fisher	3rd	1912	Paul J. Sweeney	9th
1899	William P. Deasy	4th	1914	Charles H. Purdy	4th
	Paul E. Cassidy	7th	1917	John E. Reardon	9th
	Edwin P. Ottke	9th	1918	Joseph O'Meara	8th
	L. G. Bouscaren	10th	1919	John B. Hardig	3rd
1901	T. Lincoln Bouscaren	2nd		Lawrence H. Kyte	8th
	William P. Deasy	4th	1920	John C. Danahy	4th
	Oliver C. Thoman	11th		Joseph P. Goodenough	10th
1902	Charles H. Schroder	3rd	1921	Paul Nordloh	6th
	Austin G. Schmidt	8th		George V. Bidinger	8th
	T. Lincoln Bouscaren	9th	1922	George V. Bidinger	3rd
1903	Charles J. Schroder	2nd		Joseph H. Meyers	6th
1905	William A. Dowd	1st	1923	Joseph H. Meyers	1st
	Walter S. Schmidt	5th		W. Irving Hart	9th
1906	Charles E. Kiely	2nd	1924	John A. Thorburn	8th
	John J. Lamott	9th	1925	Edward J. McGrath	7th

<i>Year</i>	<i>Winner</i>	<i>Place</i>	<i>Year</i>	<i>Winner</i>	<i>Place</i>
1926	Francis A. Arlinghaus	4th	1933	Vincent J. Eckstein	7th
	Edward J. McGrath	7th		John E. Snyder	9th
1927	Edward J. McGrath	2nd		John J. Winstel	10th
	Bernard A. Bonte	4th	1934	John E. Snyder	7th
1928	Edward J. McGrath	2nd		John A. Brink	8th
	John H. Cook	5th	1935	Vincent J. Eckstein	4th
	Louis G. Boeh	7th		Richard D. Kearney	6th
1928	John H. Cook	1st	1936	Vincent E. Smith	10th
	Louis G. Boeh	2nd	1937	Vincent E. Smith	3rd
1930	Louis G. Boeh	2nd	1938	Vincent E. Smith	1st
	Albert J. Worst	4th		Edward J. Kennedy, Jr.	7th
	Edward P. Vonder Haar	6th	1939	Jerome M. Graham	10th
1931	Edward P. Vonder Haar	3rd	1940	Jerome M. Graham	9th
	Louis A. Feldhaus	10th		John J. Bruder	10th
1932	John J. Winstel	6th	1941	Robert G. Kissel	5th
	Louis A. Feldhaus	7th	1942	Lawrence Splain	6th
	Vincent J. Eckstein	8th		Robert E. Kaske	7th
			1943	Joseph A. Sommer	8th
			1949	Timothy Joseph Leahy	8th

### The Alumni Oratorical Medal

<i>Year</i>	<i>Winner</i>	<i>Year</i>	<i>Winner</i>
1893	Cornelius F. X. Flynn	1915	Charles H. Purdy
1894	Victor M. O'Shaughnessy	1916	John E. Reardon
1895	Joseph P. Tracy	1917	Raymond J. McCoy
1896	Francis J. McMechan	1918	John B. Hardig
1897	Joseph A. Themann	1919	No Contest
1898	Martin A. Higgins	1920	No Contest
1899	Joseph J. Back	1921	John C. Danahy
1900	W. Henry Fitzgerald	1922	Leo J. Grote
1901	T. Lincoln Bouscaren	1923	James J. O'Grady
1902	James J. Donnellon	1924	Thomas J. Manion
1903	Oliver C. Thomann	1925	James P. Glenn
1904	Arthur C. Merk	1926	George Murray Paddock
1905	George J. Cooney	1927	Carl R. Steinbicker
1906	George J. Cooney	1928	Edward J. McGrath
1907	Nicholas J. Hoban	1929	Morse J. Conroy
1908	Gregor B. Moormann	1930	William J. Wise
1909	Paul K. Moorman	1931	Edward A. C. Doering
1910	Aloysius B. Steltenpohl	1932	Alvin E. Ostholtzoff
1911	Eugene A. O'Shaughnessy	1933	Robert J. Helmick
1912	Paul J. Sweeney	1934	Charles S. Blase
1913	Herbert G. Egbring	1935	James E. Shaw
1914	James E. O'Connell		

<i>Year</i>	<i>Winner</i>
1936	Leonard C. Gartner
1937	Vincent Edward Smith
1938	G. Daniel Bruch
1939	Phillip Kevin Horrigan
1940	William Leo Blum
1941	Frank Welsh Burke
1942	John Doherty Boyce

<i>Year</i>	<i>Winner</i>
1944	Donald Edward Brinkmann
1945	Edward John Walsh
1947	Donald Joseph Schenking
1948	Thomas Clarence Spraul
1949	James Arnold Glenn
1950	Paul Anthony O'Brien, Jr.
1951	Arnold D'Ambrosio

### The Verkamp Debate Medal

<i>Year</i>	<i>Winner</i>
1902	Charles H. Schroder
1903	Charles H. Schroder
1904	William A. Dowd
1905	William A. Dowd
1906	Francis A. Nurre
1907	Nicholas J. Hoban
1908	Vincent L. Gallagher
1909	William V. Schmiedeke
1910	James W. O'Hara
1911	Paul J. Sweeney
1912	Paul J. Sweeney
1913	Walter A. Freiberg
1914	Charles H. Purdy
1915	Charles H. Purdy
1916	Albert D. Cash
1917	John E. Reardon
1918	Joseph F. McCarthy
1919	Joseph P. Goodenough
1920	John B. Hardig
1921	George Saffin
1922	James J. O'Grady
1923	Philip J. Kennedy
1924	Joseph E. Welp

<i>Year</i>	<i>Winner</i>
1925	Thomas J. Manion
1926	Francis A. Arlinghaus
1927	Carl R. Steinbicker
1928	James E. Quill
1929	Anthony T. Deddens
1930	Edmund D. Doyle
1931	Edwin T. Heilker
1932	Robert W. Maggini
1933	Raymond F. McCoy
1934	Robert A. Ryan
1935	Richard David Kearney
1936	Francis Xavier Schaefer
1937	Leonard C. Gartner
1938	Albert Anthony Stephan
1939	William Joseph Rielly, Jr.
1940	Melvin Joseph Tepe
1941	Frank Welsh Burke
1942	Robert John Heil
1947	Ralph Gaston Poirot
1948	Paul Anthony O'Brien
1949	Lawrence Anthony Kane
1950	Thomas James McCoy
1951	Thomas James McCoy

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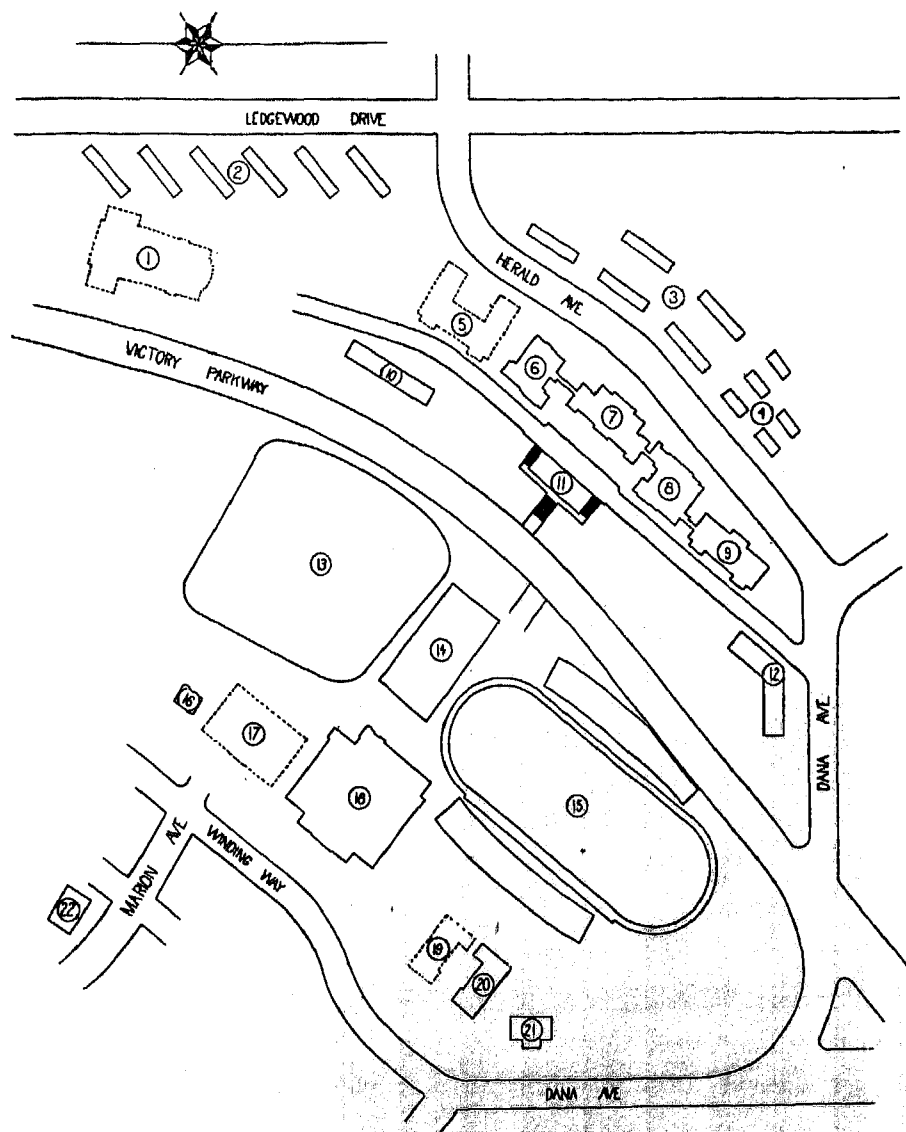
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- |                                                                                           |                                                                   |
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| 1—Xavier Auditorium (proposed)                                                            | 11—O'Brien Terrace                                                |
| 2—Ledgewood Drive F.H.A. dormitories                                                      | 12—South Hall (book-store; canteen)                               |
| 3—Herald Avenue F.H.A. dormitories                                                        | 13—Athletic field; baseball diamond                               |
| 4—Herald Avenue F.H.A. family homes                                                       | 14—Tennis courts                                                  |
| 5—Logan Hall (proposed physics building)                                                  | 15—Xavier Stadium                                                 |
| 6—Albers Hall (rooms 45, 46, 47, 51, 53, 54, 55, 61, 62, 63, 64, 65)                      | 16—St. Barbara Hall (R.O.T.C.)                                    |
| 7—Hinkle Hall (Parlors B and E); Graduate Office                                          | 17—R.O.T.C. Armory (completed January, 1949) (rooms Arm. 1, 2, 8) |
| 8—Walter Seton Schmidt Library Building (rooms 10, 20, 22, 31, 32, 33); Bellarmine Chapel | 18—Fieldhouse and Gymnasium                                       |
| 9—Alumni Science Hall (rooms 108, 109, 208, labs. 1, 2, 8); Registrar; Bursar; Veterans   | 19—North Wing Eilet Hall (proposed)                               |
| 10—North Hall (labs. 4, 5, 6; mechanical drawing room)                                    | 20—South Wing Eilet Hall                                          |
|                                                                                           | 21—Campus Union House                                             |
|                                                                                           | 22—Marion Residence, dormitory                                    |

